

Message

From: Tingley, Kevin [Tingley.Kevin@epa.gov]
Sent: 3/1/2021 10:05:24 PM
To: Goldbloom-Helzner, David [Goldbloom-Helzner.David@epa.gov]; Travers, David [Travers.David@epa.gov]; Newberry, Debbie [Newberry.Debbie@epa.gov]; Mapp, Latisha [Mapp.Latisha@epa.gov]; Pickard, Brian [Pickard.Brian@epa.gov]; Crawford, Bria [Crawford.Bria@epa.gov]; Fencil, Jeffrey [Fencil.Jeffrey@epa.gov]; Howachyn, Conor [Howachyn.Conor@epa.gov]; Ison, Dawn [ison.dawn@epa.gov]; McLain, Jennifer L. [McLain.Jennifer@epa.gov]; Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]; Bissonette, Eric [Bissonette.Eric@epa.gov]; Fox, Radhika [Fox.Radhika@epa.gov]; Best-Wong, Benita [Best-Wong.Benita@epa.gov]; Sawyers, Andrew [Sawyers.Andrew@epa.gov]; Wirth, Karen [Wirth.Karen@epa.gov]; Miller, Wynne [Miller.Wynne@epa.gov]
CC: Caldwell, E Paige CIV USARMY CEHQ (US) [Paige.Caldwell@usace.army.mil]; Ruminski, Andrea K SPD [Andrea.K.Ruminski@usace.army.mil]; Restivo, Angela [Restivo.Angela@epa.gov]; Chase, Michael [Chase.Michael@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Fisher, Bray [fisher.kelsey@epa.gov]; Eoc, Epahq [Eoc.Epahq@epa.gov]; FEMA-NRCC-iags [FEMA-NRCC-iags@fema.dhs.gov]; FEMA-NRCC-rcbd [FEMA-NRCC-rcbd@fema.dhs.gov]; Bresnahan, Meaghan [bresnahan.meaghan@epa.gov]
Subject: RE: EOC Spot Report: Region 6, Winter Storms Uri and Viola, Update #12

Note: Because the Mobile Labs Mission has ended, and future Regional Management Reports are going to focus only on activity associated with Mission Assignments, this will be the final OW Update for this response.

OW Update – Winter Storms 3/1/2021 1700 EDT

NRCC Deployment: Ended Friday 2/26

NIC/RIC Call: EPA HQ and Region 6 held a National Incident Coordination/Regional Incident Coordination call today. The next call is March 4th.

Mission Assignments: An ESF #3 Mission Assignment has been signed to deploy regional mobile labs from Region 7 and Region 4 to Texas to assist with drinking water sample analysis. This mission has been ended and the labs are returning to their bases. More information on this and other water sector activity is in the EOC Spot Report below.

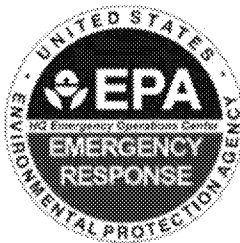
Operational Status of Drinking Water and Wastewater Facilities: Information on operational status of DW and WW systems in Texas, Louisiana, Oklahoma and Arkansas is shown in the EOC Spot Report. Note that Region 6 will not be providing updates on drinking water and wastewater status in their reports after today.

Kevin Tingley
Water Security Division
US Environmental Protection Agency
1200 Pennsylvania Ave NW (4608T)
Washington, DC 20460

(202) 564-4619 (o)
(202) 689-9402 (m)

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EOC Spot Report: Region 6, Winter Storms Uri and Viola, Update #12

US Environmental Protection Agency

Report Date: 3/1/2021

Last edited 3/1/2021

Overview

Beginning February 14, 2021, Winter Storms Uri and Viola brought dangerous cold/freezing rain/snow throughout much of the state of Texas with life-threatening wind-chill temperatures and hazardous travel conditions from ice and snow. Due to the storm, multiple drinking water facilities across the state have lost power or pressure. EPA is working with federal and state partners to respond to the impacts of these storms.

Summary of EPA Activities

- As of March 1, 2021, EPA has received a total of 157 National Response Center (NRC) reports related to Winter Storms Uri and Viola, of which 111 are air releases. None have required EPA response actions beyond assessments by the Phone-Duty Officer.
- On February 28, 2021, ASPECT, in support of TCEQ, flew over the Beaumont/Port Arthur area, Houston and Corpus Christi. Results were compared to the list of Texas Commission on Environmental Quality (TCEQ) short-term Air Monitoring Comparison Values (AMCVs) and found potential exceedances of the short-term AMCVs. This information was provided to TCEQ for follow up with its air surveillance resources. Maps of the mission and a report from ASPECT will be made public and can be found at <https://response.epa.gov/UriandViola>.
- Based on current weather in the theater of operations, ASPECT was not able to fly today. The next window for flight operations is expected to be tomorrow afternoon.
- On February 28, 2021, TCEQ notified EPA that the Mobile Drinking Water Labs in Houston, San Antonio and Fort Worth were no longer required. The final day for accepting samples was February 28th and the labs will begin the demobilization process on March 1, 2021.
- On February 28, 2021, Winter Storm Update #12 was sent to EJ Stakeholders in all Region 6 states. A reminder that if stakeholders were seeing adverse environmental impacts from the cold weather events to let EPA know was included. The Office of External Affairs distributed the Management Report #12 to Congressional Members and OCTEA management for their distribution to stakeholders.

- Per TCEQ, the statewide status of petrochemical facilities related to the extreme weather in Texas is as follows:

Petrochemical Facilities in TX	# of Facilities
Operating	16
Partially or Fully Shutdown/Idling	66

Shutdown Indefinitely for Maintenance	2
Starting up	43

EPA Resources

Personnel	REOC Dallas*	FEMA Denton*	Houston Branch*	DFW Branch*	San Antonio Branch*	Total
R6*	9*	0	2*	1*	1*	13
R4	0	0	3	0	4	7
R7	0	0	0	3	0	3
ASPECT	2*	0	0	0	0	2
START	0	0	2	2	2	6
Total	11	0	7	6	7	31

NPL Sites

• Beginning on February 18, EPA initiated Phase-1 Rapid Response Assessments for 16 Superfund Sites. Ten sites reported no damage or significant impacts. Of the 6 sites that made storm preparations by shutting down, 2 have resumed operations and 4 (listed below) are testing and making repairs as needed.

- List of NPL sites Testing and Making Repairs:
 - Jones Road Ground Water Plume, TX
 - State Road 114 Ground Water Plume, TX
 - Motco, Inc., TX
 - Brio Refining Inc., TX

Drinking Water and Wastewater System Impacts

Drink Water Samples

	Dallas Fort Worth	Houston	San Antonio	Total
# of samples received	0	0	4	4
# of samples analyzed by Mobile Lab	0	0	4	4
# of samples couriered to other lab	0	0	0	0
# of samples unable to be analyzed	0	0	0	0
# of PWS Served	0	0	1	1

Drinking Water Systems Update

	Non/Partially Operational	Population Served	Boil Water Notices	Population Served
AR*			21	29,957
LA**	4	3,468	80	114,169

OK***			74	Not Reported
TX***	12	1,780	399	389,961

* As of 1000 hours March 1, 2021

** As of 1500 hours February 28, 2021

*** As of 1300 hours March 1, 2021, # of systems impacted = 199

**** As of 1000 hours March 1, 2021

Wastewater Systems Update

State	# of Wastewater Systems Impacted
OK*	17
TX**	2
* As of 1300 hours March 1, 2021	
** As of 1000 hours March 1, 2021	

Mission Assignments

- EPA received a signed Mission Assignment for \$2.54 million for the analysis of drinking water samples for bacteriological analysis at certified drinking water labs, and to provide mobile drinking water labs certified for bacteriological analyses of drinking water samples. The start date for the Mission Assignment was February 18 with an estimated completion date of March 18, 2021.
- EPA received a signed Mission Assignment for \$30,000 for virtual staffing of the FEMA staffing of an ESF #10 Liaison at the FEMA Regional Response Coordination Center. The start date for the Mission Assignment was February 11, 2021 with an estimated completion date of March 21, 2021.
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Media Interest: High

Media Links:

<https://www.cnn.com/2021/02/22/us/texas-storm-recovery-monday/index.html>

<https://www.vox.com/the-goods/22295826/texas-power-outage-water-winter-storm-uri>

The EPA will continue to monitor and provide updates as needed

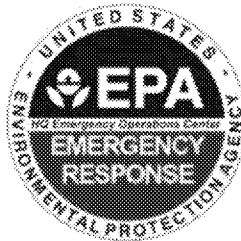
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Mark Baldwin, Senior Watch Officer
U.S Environmental Protection Agency
Headquarters Emergency Operations Center
1200 Pennsylvania Ave NW
Washington, DC 20460
202-564-3850
eoc.epahq@epa.gov

From: Eoc, Epahq [Eoc.Epahq@epa.gov]
Sent: 3/1/2021 9:56:46 PM
Subject: EOC Spot Report: Region 6, Winter Storms Uri and Viola, Update #12

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* working virtually

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The EPA will continue to monitor and provide updates as needed

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Mark Baldwin, Senior Watch Officer
U.S Environmental Protection Agency
Headquarters Emergency Operations Center
1200 Pennsylvania Ave NW
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202-564-3850
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Message

From: Kelly Cook [kelly.cook@tceq.texas.gov]
Sent: 3/1/2021 8:27:16 PM
To: Carroll, Craig [Carroll.Craig@epa.gov]
CC: R6 RRC [R6_RRC@epa.gov]; Loesel, Matthew [loesel.matthew@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]
Subject: RE: Severe Cold Weather Event Daily Update 2-26-21
Attachments: Severe Cold Weather Event Daily Update 3-1-21

Yes. See attached.

From: Carroll, Craig <Carroll.Craig@epa.gov>
Sent: Monday, March 1, 2021 2:06 PM
To: Kelly Cook <kelly.cook@tceq.texas.gov>
Cc: R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>
Subject: Re: Severe Cold Weather Event Daily Update 2-26-21

Any update today?

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Sent: Saturday, February 27, 2021 1:32 PM
To: Carroll, Craig <Carroll.Craig@epa.gov>
Cc: R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>
Subject: RE: Severe Cold Weather Event Daily Update 2-26-21

FYI...TCEQ update attached.

From: Carroll, Craig <Carroll.Craig@epa.gov>
Sent: Saturday, February 27, 2021 12:35 PM
To: Kelly Cook <kelly.cook@tceq.texas.gov>
Cc: R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>
Subject: Re: Severe Cold Weather Event Daily Update 2-26-21

Kelly,

Please reply to all with today's Texas update as I will be on road starting soon. Thanks!

Craig

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Sent: Friday, February 26, 2021 12:03 PM
To: Carroll, Craig <Carroll.Craig@epa.gov>
Subject: FW: Severe Cold Weather Event Daily Update 2-26-21

FYI

From: Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>

Sent: Friday, February 26, 2021 12:01 PM

To: Toby Baker <Toby.Baker@tceq.texas.gov>; Steven Schar <Steven.Schar@Tceq.Texas.Gov>; Ramiro Garcia <ramiro.garcia@tceq.texas.gov>; L'Oreal Stepney <loreale.stepney@tceq.texas.gov>; Susan Johnson <susan.johnson@tceq.texas.gov>; Allison Woodall <allison.woodall@tceq.texas.gov>; Michelle Havelka <michelle.havelka@tceq.texas.gov>; Ferrell Fields <Ferrell.Fields@tceq.texas.gov>; Jim Rizk <Jim.Rizk@Tceq.Texas.Gov>; Brody Burks <Brody.Burks@tceq.texas.gov>; Morgan Johnson <Morgan.Johnson@tceq.texas.gov>

Cc: David Bower <David.Bower@tceq.texas.gov>; Kelly Cook <kelly.cook@tceq.texas.gov>; Earl Lott <earl.lott@tceq.texas.gov>; Tonya Baer <Tonya.Baer@tceq.texas.gov>; Erin E. Chancellor <Erin.Chancellor@tceq.texas.gov>; Brent Wade <brent.wade@tceq.texas.gov>; Kelly Keel Linden <Kelly.KeelLinden@tceq.texas.gov>

Subject: Severe Cold Weather Event Daily Update 2-26-21

Updates attached.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

Message

From: Craig Pritzlaff [Craig.Pritzlaff@tceq.texas.gov]
Sent: 3/1/2021 5:27:16 PM
To: Toby Baker [Toby.Baker@tceq.texas.gov]; Steven Schar [Steven.Schar@Tceq.Texas.Gov]; Ramiro Garcia [ramiro.garcia@tceq.texas.gov]; L'Oreal Stepney [loreal.stepney@tceq.texas.gov]; Susan Johnson [susan.johnson@tceq.texas.gov]; Allison Woodall [allison.woodall@tceq.texas.gov]; Michelle Havelka [michelle.havelka@tceq.texas.gov]; Ferrell Fields [Ferrell.Fields@tceq.texas.gov]; Jim Rizk [Jim.Rizk@Tceq.Texas.Gov]; Brody Burks [Brody.Burks@tceq.texas.gov]; Morgan Johnson [Morgan.Johnson@tceq.texas.gov]
CC: David Bower [David.Bower@tceq.texas.gov]; Kelly Cook [kelly.cook@tceq.texas.gov]; Earl Lott [earl.lott@tceq.texas.gov]; Tonya Baer [Tonya.Baer@tceq.texas.gov]; Erin Chancellor [erin.chancellor@tceq.texas.gov]; Brent Wade [brent.wade@tceq.texas.gov]; Kelly Keel Linden [Kelly.KeelLinden@tceq.texas.gov]
Subject: Severe Cold Weather Event Daily Update 3-1-21
Attachments: Statewide Issues SOC Daily Report 3-1-21 1000am.docx; Region Office Activities 3-1-21 1000am.docx; Polar Vortex PWS Status Summary - 03012021 1000 .xlsx; Polar Vortex PWS BWN-only Status Summary 03012021.xlsx; Polar Vortex PWS-WW Status 03012021 1000.xlsx; Polar Vortex PWS-WW Status 03012021 1000.pdf

Updates attached. The maps are not yet complete and will be sent separately when available mid-day. Apologies for not having them ready yesterday.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

Severe Cold Weather Event Daily SOC Report

Statewide Issues (March 1, 2021 10am)

The TCEQ has a vast amount of regulatory guidance, support material and useful information posted under the Severe Cold Weather Event Response link on our main web page [[HYPERLINK "https://www.tceq.texas.gov/response/temporary-suspension-of-rules-due-to-severe-weather"](https://www.tceq.texas.gov/response/temporary-suspension-of-rules-due-to-severe-weather)].

DRINKING WATER AND WASTEWATER

Public Water Systems (207 Counties Reporting)

# Systems reporting*	Non-Op total	BWN Active	BWN rescinded	Non-Op population	BWN population
2,225	12	399	1,780	3,536	389,961

*Systems that reported issues at any time after 02/12/2021. Some systems may be back in operation.

TCEQ Phone Bank

The TCEQ has established a phone bank to assist Public Water Systems find an available laboratory to analyze samples.

	# of Calls rec'd & answered by staff	# of Messages left on VM	PWS requesting a Lab for testing	Technical PWS inquiry/ Enf Disc	Citizen calling w/ questions	Other
Fri 2/19	4	4	2	4	2	0
Sat 2/20	25	0	5	7	7	6
Sun 2/21	20	0	3	11	5	1
Mon, 2/22	34	0	6	21	5	2
Tue, 2/23	22	0	0	13	7	2
Wed, 2/24	9	0	1	5	0	3
Thu, 2/25	9	0	0	5	1	3
Fri, 2/26	6	0	0	2	0	4
Sat, 2/27	1	0	0	1	0	0
Sun, 2/28	0	0	0	0	0	0
Total	130	4	17	69	27	21

Wastewater (54 Counties Reporting)

# Systems reporting*	Non-Op total
131	2

*Systems that reported issues at any time after 02/12/2021. Some systems may be back in operation.

Laboratories

Approximately 94 Drinking Water Accredited labs are currently qualified to run bacteriological (Bac T) samples for public water systems including EPA mobile labs in Fort Worth and Houston. We are continuing to reach out to labs to determine if they are operational and available to analyze samples.

TCEQ has requested assistance from EPA to address the widespread Public Water System (PWS) outages. This assistance includes help with analyzing drinking water samples at certified drinking water labs for sample Bac T samples that are required to lift boil water notices and get PWSs back online, and for providing three mobile drinking water labs certified for bacteriological analyses for the same purpose.

The three mobile labs will be deployed to the following locations:

- TCEQ Region 4 Office in Dallas/Fort Worth - OPERATIONAL
- 2309 Gravel Dr, Fort Worth, TX 76118
- Mobile lab coming from EPA Region 7 Kansas City, Kansas
- Arrived in TX on Sunday 2/21
- Setup at Region 4 Dallas/Fort Worth Office on Monday 2/22
- Lab became operational at approximately 1:15pm Tuesday 2/23
- Lab capacity is 48 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Pratisha Adams 469/805-4910

- TCEQ Region 12 Office in Houston - OPERATIONAL
- 5425 Polk St, Houston, TX 77023
- Mobile lab coming from EPA Region 4 Athens, Georgia
- Arrived in TX on Sunday 2/21
- Setup at Region 12 Houston Office on Sunday 2/21
- Lab became operational at approximately 3:00pm Monday 2/22
- Lab availability was reported out via TCEQ PWS hotline beginning Monday 2/22
- Lab capacity is 100 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Idy Ouedraogo 469/271-6347

- TCEQ Region 13 Office in San Antonio - OPERATIONAL
- 14250 Judson Rd, San Antonio, TX 78233
- Mobile lab coming from EPA Region 4 Atlanta, Georgia
- Arrived in TX on Tuesday 2/23
- Setup at Region 13 San Antonio Office on Wednesday 2/24
- Lab became operational late Wednesday 2/24
- Lab capacity is 100 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Nick Roff 469/578-5172

PETROCHEMICAL FACILITIES

Based on the best available information reported through STEERS and information obtained from TCEQ staff outreach to regulated entities, the summary below lists the status of petrochemical facilities related to the extreme winter weather:

- 16 facilities are operating
- 66 facilities are either partially or fully shutdown
- 2 facilities are shutdown indefinitely for maintenance
- 43 facilities are starting up

Please note a shutdown may be authorized under a TCEQ air permit, or unauthorized and conducted in accordance with state rules. Recordkeeping is required in either case, but only certain unauthorized events are required to be reported either before the event or shortly thereafter. A final report of these unauthorized events is due two weeks after the event.

TCEQ AIR MONITORING

The TCEQ uses every appropriate means of air monitoring available to support our mission to protect human health and the environment.

All continuous air monitoring stations are back online. Three individual samplers remain offline due to storm-related damage and will be repaired or replaced as soon as possible.

In response to the severe winter weather event in February of 2021, TCEQ began conducting handheld monitoring along industrial corridors in Houston, Beaumont and Corpus Christi to assess air quality. Air monitoring is being conducted by regional TCEQ staff to monitor for volatile organic compounds, lower explosive level, carbon monoxide, oxygen levels, sulfur dioxide, hydrogen sulfide, in addition to other compounds on an as needed basis. As of 9:45 a.m. on March 1, 2021, 851 individual monitoring events had occurred analyzing 4,178 distinct air contaminants.

TCEQ's Rapid Assessment van conducted surveys in Texas City on Sunday. Sunday's surveys in Beaumont were impacted by rain; therefore, no mobile monitoring data were collected for that area. The SMART van was able to survey along Joe Fulton Corridor and north of Corpus Christi toward Ingleside on Sunday. No levels in any areas were measured above background concentrations. To date, the TCEQ mobile monitoring vans have covered over 350 miles performing air monitoring surveys through communities in Beaumont, Houston, and Corpus Christi.

Additionally, starting on February 27, 2021, the U.S. Environmental Protection Agency (EPA) deployed its Airborne Spectral Photometric Environmental Collection Technology, or ASPECT plane, staff and equipment to Southeast Texas. The ASPECT plane will collect infrared images and air monitoring data over the Beaumont, Corpus Christi and Houston areas. The plane will conduct flyovers over each city for up to seven days. On February 27, 2021, due to cloud cover, ASPECT flew at a lower level across all three areas. That limited the equipment they could use. ASPECT was able to

capture some images and they reported that no chemicals were detected with their FTIR. On February 28, ASPECT detected very low-level fugitive emissions (generally 1 ppm or less) at several locations in Corpus Christi. The final report is pending. Based on the weather reports, ASPECT does not believe they will be able to fly today, March 1, 2021.

**Severe Cold Weather Event
Region Office Activities Report (March 1, 2021 10am)**

R1 - Amarillo

No additional mortality issued expected for feedlots/dairies.

Milk disposal. Callout to dairy representatives indicate there have been no issues.

No debris sites for cleanup or outdoor burning requests anticipated.

Anticipate additional emissions events caused by freezing temps. Eight reported emissions events.

Valero McKee Refinery and Conoco Phillips Refinery are running at reduced capacity due to shortage of natural gas delivery to facilities.

R1 staff have contacted 70 PWS facilities. No facilities report system outages or BWN. No assistance was requested.

R2 - Lubbock

Anticipate mortality issues for feedlots/dairies.

Anticipate debris sites for cleanup and outdoor burning requests.

City of Crosbyton - BWN Rescinded 02/25/2021

City of Post (partially operational /BWN) - The city has distributed bottled water to residents. The city has water throughout distribution system and is planning to collect samples February 27th. All connections have water, but there are issues maintaining a constant pressure. Planning to collect samples on 03/01/21.

City of Ralls BWN Rescinded 02/26/2021

Valley Water Supply Corporation BWN Rescinded 02/26/2021

R3 - Abilene

All water systems in the Abilene Region are now considered operational.

City of Abilene now producing 35 MGD.

City of Abilene lifted BWN on 2/21/21.

Region landfills are operating as normal. The Vernon and Bowie waste transfer stations have requested approval to operate at a higher capacity in anticipation of an increase in waste due to the storms - approval is pending.

R4 - DFW

As of 3/1/21, two PWS facilities are still non-operational.

- Spring Creek Circle WSC (population 51)

- Spring Creek Circle WSC, PWS ID No. 2200115, is a small, trailer park water system in Tarrant County with 17 connections and a population of 51 people. Their one and only well has malfunctioned due to the power outages and freezing temperatures. The pump and well casing need to be replaced. The City of Grand Prairie is filling up the ground storage tank at Spring Creek Circle every morning and evening. Everyone should have water; however, we will still keep it at a non-operational status since the well is still not fixed and the water is finite for the day. They received a quote from a local well company to repair the well and they anticipate the repairs will be completed by March 5, 2021.
- The TCEQ Water Supply Division was in contact with them on February 23, 2021 to provide help with repairs, funding, and emergency assistance. We also provided them with the LEPC and EMC contact information. The water system owner/operator, Ms. Regina Martinez, spoke to someone about picking up 40 cases of bottled water but since our last update, they had not received the water yet. They have since declined to pursue obtaining the bottled water since Grand Prairie is providing potable water.
- Golden Express Truck Stop (noncommunity water system)
 - Contact with Golden Express was made on February 24, 2021. The water system indicated that due to high demand, a plumber wouldn't be able to come out until March 2, 2021. We sent an email with the EMC information, TxWarn and BWN information.

As of 3/1/21, we have reached out to 593 out of 708 water systems. This is approximately 84% of the total number of PWS in our region.

NTMWD reported on 2/24/21 that the Stewart Creek W plant 2 in Denton County is now functioning normally. Both clarifiers on plant 1 are functioning but the mixed liquor suspended solids (MLSS) have not returned to normal levels, so they are still concerned about phosphorus and ammonia exceeding permit limits.

R5 - Tyler

Sanderson Farms informed region they will start burying dead birds as a result of the extreme weather. All four plants in Texas stopped processing Saturday. They plan to restart operations Monday 2/22/2021.

City of Tyler PWS, Smith County (RN101385870, population 115214, # of connections 40696) Update from Ms. Katherine Dietz, Water Manager with the City of Tyler (cell 903-330-1431)

- A city-wide BWN was rescinded. Lake Palestine raw intake pumps are back on-line. The Golden Road SWTP is operational. (no loss of power and it has dual electric feeds).

West Gregg SUD, Gregg County (RN101459410, population 4737, # of connections 1579) currently has at least one well frozen and is experiencing frequent power outages. They haven't had any losses of service at this time.

The City of Pittsburg, Camp County (RN101391910, population 4754, # of connections 2349) is operating at a limited capacity due to the Northeast Texas MWD Pittsburg Plant having a raw water leak and running at a limited capacity. Having issues keeping the pipes thawed.

East Texas MUD, Smith County (RN101270536, population 2661, # of connections 887) Power restored, operating under BWN. **This system serves UTHSCT Hospital.**

Southern Utilities, Smith County (RN101206217, population 61662, # of connections 20554) Having issues maintaining pressure as a result of rolling blackouts at plant and issues with diesel gumming up in the generators and their vehicles to respond line breaks etc. Due to inclement weather conditions, they will be implementing Stage 2 Mandatory Water Restrictions.

R6 - El Paso

Hudspeth County W. C. and I.D. #1 issued a BWN for the Sierra Blanca area.

Candelaria WSC issued a BWN

R7 - Midland

Midland International Airport PWS issued a BWN – residential customers not affected. The BWN has been rescinded.

City of Big Spring issued a BWN.

Greater Gardendale Water Supply Corp issued a BWN.

City of Midland has not issued a BWN, but reporting multiple line leaks.

R8 - San Angelo

Still addressing the contamination event in San Angelo drinking water distribution system.

City of San Angelo is off the BWN. The DO NOT USE restriction has been changed to Do Not Drink for the industrial wedge from the contamination issue which occurred 2/08/2021.

Rochelle WSC, PWS 1540004 - leak(s) being addressed through the system with assistance from Richland Springs WSC. System is fully operational with samples being taken today or tomorrow.

Lakeland Services - (McCulloch County) under BWN and chlorine ok but having hard time finding plumbing supplies to fix leaks. Looking in larger towns for supplies.

R9 - Waco

Sanderson Farms informed region they will start burying dead birds as a result of the extreme weather. Landfill hours for disposal have been extended at area landfills to accommodate.

Most systems have made repairs and are in the process of rescinding or have rescinded their BWN. Some water providers remain under BWNs.

R10 – Beaumont

There were several PWS systems that issued boil water notices due to the loss of pressure caused by power outages and frozen pipes in the system. The status of these systems are being updated daily and can be found in the Polar Vortex table that is being maintained. Most of the water systems have made repairs and are in the process of rescinding the boil water notices. All systems with population of 10,000 or greater have rescinded their boil water notices. On February 26, 2021, 7 smaller systems (population less than 10,000) rescinded their boil water notices. There are 41 smaller systems that are still in the process of rescinding the notices. Two of these systems have requested assistance with purchasing a generator; however, they are operational at this time and are working to lift the boil water notice.

Invista Orange issues with the UIC wells. There was a potential loss of annulus pressure on WDW282 due to the freezing temperatures. There does not appear to be any loss of mechanical integrity of the wells.

All petrochemical facilities were shutdown, some hard and some controlled, some cold and some idling as a result of the freeze. The biggest issues were the lack of supplies of natural gas, nitrogen, and steam from offsite suppliers. Most facilities began the process of starting up between February 20th through February 28th. The following facilities are in various stages of starting back up operations:

- Exxon Mobil Beaumont Refinery
- Exxon Mobil Chemical Plant
- Motiva Port Arthur Refinery
- Motiva Chemicals
- Valero Port Arthur Refinery
- Total Refinery
- Arkema Chemical
- OCI
- Chevron Phillips Orange Polyethylene Plant
- BASF
- Indorama (Huntsman) Port Neches
- Invista SARL

R11 – Austin

City of Austin, San Marcos, Leander, Georgetown, and Pflugerville have all rescinded their BWNs. Most systems have made repairs and are in the process of rescinding or have rescinded their BWN. Some Austin area water providers remain under BWNs.

TDMS requests have been approved for the City of Lago Vista (2), Williamson County (1), and Burnet County (1). Two additional requests from Williamson County are forthcoming.

R12 - Houston

Numerous Petrochemical/Chemical/Industrial facilities have reported operational issues and shutdowns due to the weather. Facilities continue to evaluate weather impacts. These assessments are continuing; limited number of facilities are initiating start-up.

A number of Boil Water Notices have been issued, mostly due to power loss and freezing conditions. Currently, many issued BWNs across the area remain in effect; however, there continues to be a steady number of entities lifting their BWN. All over 100K in the region have lifted their BWNs. The City of Houston's BWN was lifted 2/21/21 and notice to the public was provided at 3:00 pm.

Also, there are some WWTPs impacted (power loss/frozen equipment). Facilities continue to return to full operations and the remaining facilities continue to work to re-establish full operational status.

Many area cities continue to distribute bottled water and Foodbanks across the region are continuing to distribute food and bottled water.

The region approved the first request for a Temporary Debris Management Site (TDMS) in Harris County 2/20/21. Local cities and landfills are gearing up to manage bulk garbage and clean-up debris. The Region has received 3 additional TDMS applications from Harris County for review, site visits, and approval.

The Air Section is conducting area air monitoring. The mobile monitoring van will continue to monitor today (03/1/2021).

R13 - San Antonio

A few area PWS on BWN.

As of 2/21 SAWS had restored water to 100% of its service area. All of SAWS distribution area has been cleared of the BWN. New Braunfels Utility lifted their BWN 2/21.

San Antonio Refinery LLC (Calumet) The facility was in recirculation mode prior to the storm and was not receiving product. During the storm, a pump failed causing a reportable emissions event. According to the facility (info from this morning), the event lasted 30 minutes and involved 365 bbl of hydrocarbon. The event was captured on social media and is impressive to look at. The Region contacted the facility today and they stated it all burned or remained in secondary containment, so they did not submit a spill report. We are waiting on the final EE report. The facility is back in recirculation mode and has no plans to restart. They are currently planning to shut down the facility to make preplanned improvements, per the facility.

This information was not previously provided: SAWS reported a SSO on 2/19 that occurred on at W. Commerce and Leon Creek, due to bypass pump losing power. It was estimated to be >50,000. Notification due to private well within ½ mile. Well owner was notified. On 2/22 the Region was informed SAWS found 8 dead fish on 2/21. Region sent investigator to observe clean-up on 2/22.

On 2/19 The Region received notification that an unauthorized, "Certified plumber" made entry to a well site and "fixed" a busted pipe then flushed system at a hydrant, all belonging to Canyon Lake Water System. He then notified CLWS who is now threatening legal action. This person also provided this notification to the TCEQ via a spill report. On 2/22 investigator noted two small, dead fish as well as live fish. SAWS continues to cleanup via pumping and well as sampling and monitoring continue.

R14 - Corpus Christi

Of the 122 community water systems in the Corpus Christi Region, 78 of the water systems have issued or will be issuing a boil water notice. 73 of the systems have rescinded boil water notices. The Corpus Christi Region Office plans to continue contacting community and noncommunity water systems today to assess their condition in response to the severe cold weather event.

The City of Corpus Christi rescinded the Boil Water Notice on 02/20/2021.

The City of Victoria rescinded the Boil Water Notice on 02/21/2021.

The City of Beeville rescinded the Boil Water Notice on 02/23/2021.

Petrochemical plants in the Corpus Christi Region "shutdown" due to issues with damaged water lines, damaged equipment, curtailment of natural gas supplies, and lack of nitrogen supplies. Facilities continue to conduct assessments of the damage and make necessary repairs. Some of these assessments/repairs are expected to take up to an additional two weeks. Several petrochemical facilities have started operating with several more currently in start-up mode. Two facilities elected to move up previously scheduled maintenance while the plants are shut down for weather related repairs. Although many of the facilities have additional assessments/repairs to complete prior to startup, the lack of nitrogen and natural gas continue to be of concern.

Provided guidance to Nueces County officials regarding the burial/disposal of 10,000 pounds of dead sea turtles.

R15 - Harlingen

Multiple drinking water systems issued a BWN.

On February 18, 2021, East Rio Hondo Water Supply Corporation submitted a variance request to bring on of their water treatment plants back on-line that was offline for

system upgrades (filters). On February 19, 2021, the Harlingen regional management with OW to discuss the variance. OW could not support the variance and denied the request. The Harlingen region communicated back to ERHWSC that the submitted variance was denied and offer options to request water.

Multiple wastewater lift stations reported power outages and are using generators.

Anticipate requests for agricultural burns.

R16 - Laredo

Multiple drinking water systems with operational issues (water outage, low pressure, and issued BWN).

Webb Co WWTP and lift stations - no power since 2/15/2021 at 11am. WWTP operator will submit SSO notification.

City of Laredo will be issuing a BWN for the area around Highway 359.

City of Del Rio - The San Felipe WWTP is fully operational as they have power. The raw sewage that was released was jet vacuumed before it reached the creek and the area disinfected. The City of Del Rio did not submit the STAR request and they no longer have plans to submit it as they were able to secure generators from another source.

From: Eoc, Epahq [Eoc.Epahq@epa.gov]
Sent: 3/1/2021 5:24:06 PM
To: Eoc, Epahq [Eoc.Epahq@epa.gov]
Subject: EOC Daily Emergency Management Report for Monday, March 1, 2021

This report is being sent as a bcc to prevent accidental Reply to All messages.

UNCLASSIFIED//FOR OFFICIAL USE ONLY



EOC Daily Emergency Management Report

Date: 3/1/2021
Time: 12:22 PM
Report Number: 21-38

Alerts & Warnings

FEMA National Watch Center (NWC): Monitoring

FEMA National Response Coordination Center (NRCC): Level I for COVID-19 Vaccine Campaign. All ESFs activated.

Continuity of Operations (COOP):
COGCON is Level 4.

EPA HQ Emergency Operations Center (EOC):

The HQ EOC is operating at Level III, Enhanced Watch Operations (virtual), with an EOC Manager, Senior Watch Officer, and Watch Officer to support daily operations. EPA is providing virtual ESF-10 support to the FEMA National Response Coordination Center (NRCC) and virtual ESF-15 media support for the COVID-19 Vaccine Campaign. The HQ EOC SCIF/SAF secure rooms are open daily during the week for limited operations.

Regional EOC Posture: The following regions have REOC operations in virtual/telework status: ALL REGIONS. The following chart describes regional EOC posture:

Region	Status	Response
I	Steady State	N/A
II	Steady State	N/A
III	Steady State	N/A
IV	Partial	Supporting VI for Winter Storm Uri
V	Steady State	N/A
VI	Partial	Winter Storm Uri
VII	Partial	COVID Travel Coordination

VIII	Steady State	N/A
IX	Steady State	N/A
X	Steady State	N/A

EPA Headquarters Activities

EPA HQ Emergency Operations Center Activation Team: Blue Team is scheduled through March 31, 2021.

EPA National Incident Management Assistance Team (N-IMAT): N-IMAT Regional Grouping #4 is on duty through March 21, 2021.

ASPECT (Airborne Spectral Photometric Environmental Collection Technology): CBRN CMAD's ASPECT (Airborne Spectral Photometric Environmental Collection Technology) System: Fully Operational Monday March 1, 2021. System Location and Operational Period: R6 Winter Storm Uri Response, TX, 01 March 2021 – 08 March 2021. Subject to a 2-hour deployment delay due to annual inspection work, starting Monday 01 February 2021 8:00 am - 7:00 pm CST daily through 05 March 2021. For activation of the ASPECT's assets, please contact CBRN CMAD via the EPA's HQ-EOC at 202-564-3850.

CMAD Lab Assets (OEM/Consequence Management Advisory Division): CBRN CMAD continues to maintain their PHILIS mobile laboratory vehicles and assets during the on-going COVID-19 pandemic emergency. All PHILIS mobile and fixed laboratory and support assets are operational and ready for deployment in support of US EPA OEM/OEM's response missions from their respective laboratory and warehouse locations at Edison, NJ and Castle Rock, CO. For chemical and biological agent analysis and related response support, please contact CBRN CMAD via the EPA's HQ-EOC at 202-564-3850.

ERT (OSRTI/Environmental Response Team): Throughout the COVID-19 situation, ERT after-hours phone and response duty staffing remains uninterrupted and ERT continues to maintain preparedness, readiness and availability of staff, and response contracts for emergency response deployment at the request of the regions or program offices. Available for deployment: ERT TAGAs Edison, RTP and Las Vegas; Mobile Command Posts & HazMat trucks (Erlanger, Las Vegas) and ERT-Edison Mobile Analytical Lab.

Significant National Weather

The slight risk of severe thunderstorms over parts of the Southern Plains and Lower Mississippi and Tennessee Valleys should end this morning. Locally heavy rain and thunderstorms will continue today from the Ark-La-Tex tri-state region to the Lower Mississippi, Tennessee, and Ohio Valleys and Central Appalachians, which may produce flooding.

Reports of Incident Notification

Region 6 Circle 9 Resources LL - E21604, Seminole, OK (NRC #1299140)

A release of an estimated 350 barrels (bbl) of salt water and a discharge of 20-50 bbl of crude oil to the Little River was observed at 4:30pm CDT on February 26. The responsible party (RP) deployed soft boom, pads, and a vacuum truck, and hired contractors to respond with additional equipment. EPA contacted representatives of both the Seminole and Creek Nations. EPA contacted the RP on the evening of February 26 and activated START contractors. EPA START contractors mobilized, assessed the area of impact and response efforts, and mobilized to a second Site. A R6 OSC was on site on February 27.

Region 6 DJS Services - E21603, Cromwell, Oklahoma (NRC #1299077)

On February 26, at approximately 2:00pm CDT, an RP notified the NRC of an oil discharge of an unknown volume to Little Wewoka Creek. The RP estimated the spill volume to be 6,600 gallons with approximately ½ mile of creek visibly impacted. The RP stated the initial response consists of 2 vacuum trucks removing oil from the creek and one bobtail truck at the point of release, as well as multiple booms in the creek and dams and diversion channels on-site. EPA R6 activated START contractors. On February 27, EPA START contractors assessed the area of impact and response efforts, and continued mobilization to a second Site. EPA contacted representatives of both the Seminole and Creek Nations.

Region 6 ASPECT Activation, FEMA MA, TX

The Texas Commission on Environmental Quality (TCEQ) requested the EPA ASPECT aircraft through Emergency Support Function #10 to support the TCEQ's air monitoring in areas impacted by Winter Storms Uri and Viola. TCEQ is conducting air monitoring in the Houston, Texas area while large industrial facilities come back on-line to monitor for air

emissions which could impact nearby residents. On February 27, 2021, ASPECT conducted its initial flight over the Beaumont/Port Arthur area, Houston and Corpus Christi. Results were compared to the list of Texas Commission on Environmental Quality (TCEQ) short-term Air Monitoring Comparison Values (AMCVs) and found no exceedances of the short-term AMCVs. ASPECT support of R6 Winter Storm Uri Response operations will most likely continue on Tuesday, March 2 due to extreme weather conditions along the Gulf coast.

Region 9 Compton Industrial Fire, Compton, CA

At approximately 4:00am PDT on February 26, a large fire broke out at a pallet storage yard in Compton, CA. The fire spread to adjacent properties, including a mattress company and a transportation yard where approximately a dozen buses caught fire. Multiple fire departments have responded, and LA County Public Health is on scene. An evacuation order that was in place for a nearby apartment building has since been lifted. As of 9:30am PDT, the fire was largely extinguished. A R9 OSC mobilized to the scene to coordinate with local agencies.

Exercises/Pre-Deployments

Nothing significant to report.

Reported Activities

Reported Activities: 2/26/2021 - 2/28/2021						
Region	Oil	Hazmat	Radiation	Other	Totals	
Region 1	1	0	0	0	1	
Region 2	2	0	0	1	3	
Region 3	8	0	0	2	10	
Region 4	16	3	0	8	27	
Region 5	3	6	0	2	10	
Region 6	20	23	0	5	48	
Region 7	1	1	0	4	6	
Region 8	0	0	0	1	1	
Region 9	9	1	0	4	14	
Region 10	10	2	0	0	12	
Totals	70	35	0	27	132	

Note: There were **7** unclassified reports in the Hotline Log.

Regions not captured in this report have no reported activities for the reporting period.

Unclassified Notifications: The EOC conducts manual checks for counts higher than **6** for 24-hr reports and **14** for 72-hr reports.

Meaghan Bresnahan, Watch Officer
 U.S. Environmental Protection Agency
 Headquarters Emergency Operations Center
 1200 Pennsylvania Ave
 Washington, DC 20460
 202-564-3850
eoc.epahq@epa.gov

Message

From: Kelly Cook [kelly.cook@tceq.texas.gov]
Sent: 2/28/2021 5:38:01 PM
To: Carroll, Craig [Carroll.Craig@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Zehner, Warren [zehner.warren@epa.gov]; R6 RRC [R6_RRC@epa.gov]
Subject: Fwd: Severe Cold Weather Event Daily Update 2-28-21
Attachments: Statewide Issues SOC Daily Report 2-28-21 1000am.docx; Region Office Activities 2-28-21 1000am.docx; Polar Vortex PWS Status Summary.xlsx; Polar Vortex PWS BWN-only Status Summary 02282021.xlsx; Polar Vortex PWS-WW Status 02282021 1000.pdf; Polar Vortex PWS-WW Status 02282021 1000.xlsx

Sent from my iPhone

Begin forwarded message:

From: Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>
Date: February 28, 2021 at 11:09:03 AM CST
To: Toby Baker <Toby.Baker@tceq.texas.gov>, Steven Schar <Steven.Schar@tceq.texas.gov>, Ramiro Garcia <Ramiro.Garcia@tceq.texas.gov>, L'Oreal Stepney <Loreal.Stepney@tceq.texas.gov>, Susan Johnson <Susan.Johnson@tceq.texas.gov>, Allison Woodall <allison.woodall@tceq.texas.gov>, Michelle Havelka <Michelle.Havelka@tceq.texas.gov>, Ferrell Fields <Ferrell.Fields@tceq.texas.gov>, Jim Rizk <Jim.Rizk@tceq.texas.gov>, Brody Burks <Brody.Burks@tceq.texas.gov>, Morgan Johnson <Morgan.Johnson@tceq.texas.gov>
Cc: David Bower <David.Bower@tceq.texas.gov>, Kelly Cook <Kelly.Cook@tceq.texas.gov>, Earl Lott <Earl.Lott@tceq.texas.gov>, Tonya Baer <Tonya.Baer@tceq.texas.gov>, "Erin E. Chancellor" <Erin.Chancellor@tceq.texas.gov>, Brent Wade <brent.wade@tceq.texas.gov>, Kelly Keel Linden <Kelly.KeelLinden@tceq.texas.gov>
Subject: Severe Cold Weather Event Daily Update 2-28-21

Updates attached. The maps are not yet complete and will be sent separately when available.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

Severe Cold Weather Event Daily SOC Report

Statewide Issues (February 28, 2021 10am)

The TCEQ has a vast amount of regulatory guidance, support material and useful information posted under the Severe Cold Weather Event Response link on our main web page [[HYPERLINK "https://www.tceq.texas.gov/response/temporary-suspension-of-rules-due-to-severe-weather"](https://www.tceq.texas.gov/response/temporary-suspension-of-rules-due-to-severe-weather)].

DRINKING WATER AND WASTEWATER

Public Water Systems (206 Counties Reporting)

# Systems reporting*	Non-Op total	BWN Active	BWN rescinded	Non-Op population	BWN population
2,213	11	458	1,709	2,006	509,206

*Systems that reported issues at any time after 02/12/2021. Some systems may be back in operation.

TCEQ Phone Bank

The TCEQ has established a phone bank to assist Public Water Systems find an available laboratory to analyze samples.

	# of Calls rec'd & answered by staff	# of Messages left on VM	PWS requesting a Lab for testing	Technical PWS inquiry/ Enf Disc	Citizen calling w/ questions	Other
Fri 2/19	4	4	2	4	2	0
Sat 2/20	25	0	5	7	7	6
Sun 2/21	20	0	3	11	5	1
Mon, 2/22	34	0	6	21	5	2
Tue, 2/23	22	0	0	13	7	2
Wed, 2/24	9	0	1	5	0	3
Thu, 2/25	9	0	0	5	1	3
Fri, 2/26	6	0	0	2	0	4
Sat, 2/27	1	0	0	1	0	0
Total	130	4	17	69	27	21

Wastewater (55 Counties Reporting)

# Systems reporting*	Non-Op total
131	2

*Systems that reported issues at any time after 02/12/2021. Some systems may be back in operation.

Laboratories

Approximately 94 Drinking Water Accredited labs are currently qualified to run bacteriological (Bac T) samples for public water systems including EPA mobile labs in Fort Worth and Houston. We are continuing to reach out to labs to determine if they are operational and available to analyze samples.

TCEQ has requested assistance from EPA to address the widespread Public Water System (PWS) outages. This assistance includes help with analyzing drinking water samples at certified drinking water labs for sample Bac T samples that are required to lift boil water notices and get PWSs back online, and for providing three mobile drinking water labs certified for bacteriological analyses for the same purpose.

The three mobile labs will be deployed to the following locations:

- TCEQ Region 4 Office in Dallas/Fort Worth - OPERATIONAL
- 2309 Gravel Dr, Fort Worth, TX 76118
- Mobile lab coming from EPA Region 7 Kansas City, Kansas
- Arrived in TX on Sunday 2/21
- Setup at Region 4 Dallas/Fort Worth Office on Monday 2/22
- Lab became operational at approximately 1:15pm Tuesday 2/23
- Lab capacity is 48 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Pratisha Adams 469/805-4910

- TCEQ Region 12 Office in Houston - OPERATIONAL
- 5425 Polk St, Houston, TX 77023
- Mobile lab coming from EPA Region 4 Athens, Georgia
- Arrived in TX on Sunday 2/21
- Setup at Region 12 Houston Office on Sunday 2/21
- Lab became operational at approximately 3:00pm Monday 2/22
- Lab availability was reported out via TCEQ PWS hotline beginning Monday 2/22
- Lab capacity is 100 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Idy Ouedraogo 469/271-6347

- TCEQ Region 13 Office in San Antonio - OPERATIONAL
- 14250 Judson Rd, San Antonio, TX 78233
- Mobile lab coming from EPA Region 4 Atlanta, Georgia
- Arrived in TX on Tuesday 2/23
- Setup at Region 13 San Antonio Office on Wednesday 2/24
- Lab became operational late Wednesday 2/24
- Lab capacity is 100 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Nick Roff 469/578-5172

PETROCHEMICAL FACILITIES

Based on the best available information reported through STEERS and information obtained from TCEQ staff outreach to regulated entities, the summary below lists the status of petrochemical facilities related to the extreme winter weather:

- 16 facilities are operating
- 68 facilities are either partially or fully shutdown
- 2 facilities are shutdown indefinitely for maintenance
- 40 facilities are starting up

Please note a shutdown may be authorized under a TCEQ air permit, or unauthorized and conducted in accordance with state rules. Recordkeeping is required in either case, but only certain unauthorized events are required to be reported either before the event or shortly thereafter. A final report of these unauthorized events is due two weeks after the event.

TCEQ AIR MONITORING

The TCEQ uses every appropriate means of air monitoring available to support our mission to protect human health and the environment.

All continuous air monitoring stations are back online. Three individual samplers remain offline due to storm-related damage and will be repaired or replaced as soon as possible.

In response to the severe winter weather event in February of 2021, TCEQ began conducting handheld monitoring along industrial corridors in Houston, Beaumont and Corpus Christi to assess air quality. Air monitoring is being conducted by regional TCEQ staff to monitor for volatile organic compounds, lower explosive level, carbon monoxide, oxygen levels, sulfur dioxide, hydrogen sulfide, in addition to other compounds on an as needed basis. As of 9:20 a.m. on February 28, 2021, 727 individual monitoring events had occurred analyzing 3,663 distinct air contaminants.

TCEQ's Rapid Assessment van conducted surveys in the Port Arthur, Galena Park, Manchester, and Milby Park areas on Saturday. Saturday's surveys in Corpus Christi were slightly impacted by periodic rain, but the SMART van was able to survey along Joe Fulton Corridor and the southside of Ingleside. No levels in any areas were measured above background concentrations. To date, the TCEQ mobile monitoring vans have covered almost 300 miles performing air monitoring surveys through communities in Beaumont, Houston, and Corpus Christi.

Additionally, starting on February 27, 2021, the U.S. Environmental Protection Agency (EPA) deployed its Airborne Spectral Photometric Environmental Collection Technology, or ASPECT plane, staff and equipment to Southeast Texas. The ASPECT plane will collect infrared images and air monitoring data over the Beaumont, Corpus Christi and Houston areas. The plane will conduct flyovers over each city for up to seven days. Due to cloud cover ASPECT flew at a lower level across all three areas.

That limited the equipment they could use. ASPECT was able to capture some images and they reported that no chemicals were detected with their FTIR. Flight is scheduled to resume February 28.

**Severe Cold Weather Event
Region Office Activities Report (February 28, 2021 10am)**

R1 - Amarillo

No additional mortality issued expected for feedlots/dairies.

Milk disposal. Callout to dairy representatives indicate there have been no issues.

No debris sites for cleanup or outdoor burning requests anticipated.

Anticipate additional emissions events caused by freezing temps. Eight reported emissions events.

Valero McKee Refinery and Conoco Phillips Refinery are running at reduced capacity due to shortage of natural gas delivery to facilities.

R1 staff have contacted 70 PWS facilities. No facilities report system outages or BWN. No assistance was requested.

R2 - Lubbock

Anticipate mortality issues for feedlots/dairies.

Anticipate debris sites for cleanup and outdoor burning requests.

City of Crosbyton - BWN Rescinded 02/25/2021

City of Post (partially operational /BWN) - The city has distributed bottled water to residents. The city has water throughout distribution system and is planning to collect samples February 27th. All connections have water, but there are issues maintaining a constant pressure. Planning to collect samples on 03/01/21.

City of Ralls BWN Rescinded 02/26/2021

Valley Water Supply Corporation BWN Rescinded 02/26/2021

R3 - Abilene

All water systems in the Abilene Region are now considered operational.

City of Abilene now producing 35 MGD.

City of Abilene lifted BWN on 2/21/21.

Region landfills are operating as normal. The Vernon and Bowie waste transfer stations have requested approval to operate at a higher capacity in anticipation of an increase in waste due to the storms - approval is pending.

R4 - DFW

As of 2/28/21, two PWS facilities are still non-operational.

- Spring Creek Circle WSC (population 51)

- Spring Creek Circle WSC, PWS ID No. 2200115, is a small, trailer park water system in Tarrant County with 17 connections and a population of 51 people. Their one and only well has malfunctioned due to the power outages and freezing temperatures. The pump and well casing need to be replaced. The City of Grand Prairie is filling up the ground storage tank at Spring Creek Circle every morning. Everyone should have water; however, we will still keep it at a non-operational status since the well is still not fixed and the water is finite for the day. They received a quote from a local well company to repair the well and are waiting for a date that the repair can be conducted.
- The TCEQ Water Supply Division was in contact with them on February 23, 2021 to provide help with repairs, funding, and emergency assistance. We also provided them with the LEPC and EMC contact information. The water system owner/operator, Ms. Regina Martinez, spoke to someone about picking up 40 cases of bottled water but since our last update, they had not received the water yet.
- Golden Express Truck Stop (noncommunity water system)
 - Contact with Golden Express was made on February 24, 2021. The water system indicated that due to high demand, a plumber wouldn't be able to come out until March 2, 2021. We sent an email with the EMC information, TxWarn and BWN information.

As of 2/27/21, we have reached out to 481 out of the 708 water systems in our region.

NTMWD reported on 2/24/21 that the Stewart Creek W plant 2 in Denton County is now functioning normally. Both clarifiers on plant 1 are functioning but the mixed liquor suspended solids (MLSS) have not returned to normal levels, so they are still concerned about phosphorus and ammonia exceeding permit limits.

R5 - Tyler

Sanderson Farms informed region they will start burying dead birds as a result of the extreme weather. All four plants in Texas stopped processing Saturday. They plan to restart operations Monday 2/22/2021.

City of Tyler PWS, Smith County (RN101385870, population 115214, # of connections 40696) Update from Ms. Katherine Dietz, Water Manager with the City of Tyler (cell 903-330-1431)

- A city-wide BWN was rescinded. Lake Palestine raw intake pumps are back on-line. The Golden Road SWTP is operational. (no loss of power and it has dual electric feeds).

West Gregg SUD, Gregg County (RN101459410, population 4737, # of connections 1579) currently has at least one well frozen and is experiencing frequent power outages. They haven't had any losses of service at this time.

The City of Pittsburg, Camp County (RN101391910, population 4754, # of connections 2349) is operating at a limited capacity due to the Northeast Texas MWD

Pittsburg Plant having a raw water leak and running at a limited capacity. Having issues keeping the pipes thawed.

East Texas MUD, Smith County (RN101270536, population 2661, # of connections 887) Power restored, operating under BWN. **This system serves UTHSCT Hospital.**

Southern Utilities, Smith County (RN101206217, population 61662, # of connections 20554) Having issues maintaining pressure as a result of rolling blackouts at plant and issues with diesel gumming up in the generators and their vehicles to respond line breaks etc. Due to inclement weather conditions, they will be implementing Stage 2 Mandatory Water Restrictions.

R6 - El Paso

Hudspeth County W. C. and I.D. #1 issued a BWN for the Sierra Blanca area.

Candelaria WSC issued a BWN

R7 - Midland

Midland International Airport PWS issued a BWN – residential customers not affected. The BWN has been rescinded.

City of Big Spring issued a BWN.

Greater Gardendale Water Supply Corp issued a BWN.

City of Midland has not issued a BWN, but reporting multiple line leaks.

R8 - San Angelo

Still addressing the contamination event in San Angelo drinking water distribution system.

City of San Angelo is off the BWN. The DO NOT USE restriction has been changed to Do Not Drink for the industrial wedge from the contamination issue which occurred 2/08/2021.

Rochelle WSC, PWS 1540004 - leak(s) being addressed through the system with assistance from Richland Springs WSC. System is fully operational with samples being taken today or tomorrow.

Lakeland Services - (McCulloch County) under BWN and chlorine ok but having hard time finding plumbing supplies to fix leaks. Looking in larger towns for supplies.

R9 - Waco

Sanderson Farms informed region they will start burying dead birds as a result of the extreme weather. Landfill hours for disposal have been extended at area landfills to accommodate.

Most systems have made repairs and are in the process of rescinding or have rescinded their BWN. Some water providers remain under BWNs.

R10 – Beaumont

There were several PWS systems that issued boil water notices due to the loss of pressure caused by power outages and frozen pipes in the system. The status of these systems are being updated daily and can be found in the Polar Vortex table that is being maintained. Most of the water systems have made repairs and are in the process of rescinding the boil water notices. All systems with population of 10,000 or greater have rescinded their boil water notices. On February 26, 2021, 7 smaller systems (population less than 10,000) rescinded their boil water notices. There are 41 smaller systems that are still in the process of rescinding the notices. Two of these systems have requested assistance with purchasing a generator; however, they are operational at this time and are working to lift the boil water notice.

Invista Orange issues with the UIC wells. There was a potential loss of annulus pressure on WDW282 due to the freezing temperatures. There does not appear to be any loss of mechanical integrity of the wells.

All petrochemical facilities were shutdown, some hard and some controlled, some cold and some idling as a result of the freeze. The biggest issues were the lack of supplies of natural gas, nitrogen, and steam from offsite suppliers. Most facilities are in the process of assessing repairs and gas supplies and are making plans to start up operations in the near future. The following facilities are in various stages of starting back up operations:

- Exxon Mobil Beaumont Refinery on 2/20/2021
- Motiva Port Arthur Refinery on 2/21/2021 Valero Port Arthur Refinery on 2/21/2021.
- Total Refinery on 2/24/2021
- Arkema Chemical on 2/24/2021
- Chevron Phillips Orange Polyethylene Plant on 2/21/2021
- Motiva Chemicals on 2/22/2021
- BASF on 2/26/2021
- Indorama (Huntsman) plans on starting up on 2/27/2021

R11 – Austin

City of Austin, San Marcos, Leander, Georgetown, and Pflugerville have all rescinded their BWNs. Most systems have made repairs and are in the process of rescinding or have rescinded their BWN. Some Austin area water providers remain under BWNs.

Two TDMS requests have been approved for the City of Lago Vista and one TDMS request has been approved for Burnet County.

R12 – Houston

Numerous Petrochemical/Chemical/Industrial facilities have reported operational issues and shutdowns due to the weather. Facilities continue to evaluate weather impacts. These assessments are continuing; limited number of facilities are initiating start-up.

A number of Boil Water Notices have been issued, mostly due to power loss and freezing conditions. Currently, many issued BWNs across the area remain in effect; however, there continues to be a steady number of entities lifting their BWN. All over 100K in the region have lifted their BWNs. The City of Houston's BWN was lifted 2/21/21 and notice to the public was provided at 3:00 pm.

Also, there are some WWTPs impacted (power loss/frozen equipment). Facilities continue to return to full operations and the remaining facilities continue to work to re-establish full operational status.

Many area cities continue to distribute bottled water and Foodbanks across the region are continuing to distribute food and bottled water.

The region approved the first request for a Temporary Debris Management Site (TDMS) in Harris County 2/20/21. Local cities and landfills are gearing up to manage bulk garbage and clean-up debris. The Region has received 3 additional TDMS applications from Harris County for review and approval.

The Air Section is conducting area air monitoring. The mobile monitoring van will continue to monitor today (02/28/2021).

R13 – San Antonio

A few area PWS on BWN.

As of 2/21 SAWS had restored water to 100% of its service area. All of SAWS distribution area has been cleared of the BWN. New Braunfels Utility lifted their BWN 2/21.

San Antonio Refinery LLC (Calumet) The facility was in recirculation mode prior to the storm and was not receiving product. During the storm, a pump failed causing a reportable emissions event. According to the facility (info from this morning), the event lasted 30 minutes and involved 365 bbl of hydrocarbon. The event was captured on social media and is impressive to look at. The Region contacted the facility today and they stated it all burned or remained in secondary containment, so they did not submit a spill report. We are waiting on the final EE report. The facility is back in recirculation mode and has no plans to restart. They are currently planning to shut down the facility to make preplanned improvements, per the facility.

This information was not previously provided: SAWS reported a SSO on 2/19 that occurred on at W. Commerce and Leon Creek, due to bypass pump losing power. It was estimated to be >50,000. Notification due to private well within ½ mile. Well owner was notified. On 2/22 the Region was informed SAWS found 8 dead fish on 2/21. Region sent investigator to observe clean-up on 2/22.

On 2/19 The Region received notification that an unauthorized, "Certified plumber" made entry to a well site and "fixed" a busted pipe then flushed system at a hydrant, all belonging to Canyon Lake Water System. He then notified CLWS who is now threatening legal action. This person also provided this notification to the TCEQ via a spill report. On 2/22 investigator noted two small, dead fish as well as live fish. SAWS continues to cleanup via pumping and well as sampling and monitoring continue.

R14 - Corpus Christi

Of the 122 community water systems in the Corpus Christi Region, 78 of the water systems have issued or will be issuing a boil water notice. 73 of the systems have rescinded boil water notices. The Corpus Christi Region Office plans to continue contacting community and noncommunity water systems today to assess their condition in response to the severe cold weather event.

The City of Corpus Christi rescinded the Boil Water Notice on 02/20/2021.

The City of Victoria rescinded the Boil Water Notice on 02/21/2021.

The City of Beeville rescinded the Boil Water Notice on 02/23/2021.

Petrochemical plants in the Corpus Christi Region "shutdown" due to issues with damaged water lines, damaged equipment, curtailment of natural gas supplies, and lack of nitrogen supplies. Facilities continue to conduct assessments of the damage and make necessary repairs. Some of these assessments/repairs are expected to take up to an additional two weeks. Several petrochemical facilities have started operating with several more currently in start-up mode. Two facilities elected to move up previously scheduled maintenance while the plants are shut down for weather related repairs. Although many of the facilities have additional assessments/repairs to complete prior to startup, the lack of nitrogen and natural gas continue to be of concern.

Provided guidance to Nueces County officials regarding the burial/disposal of 10,000 pounds of dead sea turtles.

R15 - Harlingen

Multiple drinking water systems issued a BWN.

On February 18, 2021, East Rio Hondo Water Supply Corporation submitted a variance request to bring on of their water treatment plants back on-line that was offline for system upgrades (filters). On February 19, 2021, the Harlingen regional management with OW to discuss the variance. OW could not support the variance and denied the request. The Harlingen region communicated back to ERHWSC that the submitted variance was denied and offer options to request water.

Multiple wastewater lift stations reported power outages and are using generators.

Anticipate requests for agricultural burns.

R16 - Laredo

Multiple drinking water systems with operational issues (water outage, low pressure, and issued BWN).

Webb Co WWTP and lift stations - no power since 2/15/2021 at 11am. WWTP operator will submit SSO notification.

City of Laredo will be issuing a BWN for the area around Highway 359.

City of Del Rio - The San Felipe WWTP is fully operational as they have power. The raw sewage that was released was jet vacuumed before it reached the creek and the area disinfected. The City of Del Rio did not submit the STAR request and they no longer have plans to submit it as they were able to secure generators from another source.

From: Eoc, Epahq [Eoc.Epahq@epa.gov]
Sent: 2/27/2021 9:17:11 PM
Subject: EOC Spot Report: Region 6, Winter Storms Uri and Viola, Update #10

This report is being sent as a bcc to prevent accidental Reply to All messages.

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EOC Spot Report: Region 6, Winter Storms Uri and Viola, Update #10

US Environmental Protection Agency

Report Date: 2/27/2021

Last edited 2/27/2021

Overview

Beginning February 14, 2021, Winter Storms Uri and Viola brought dangerous cold/freezing rain/snow throughout much of the state of Texas with life-threatening wind-chill temperatures and hazardous travel conditions from ice and snow. Due to the storm, multiple drinking water facilities across the state have lost power or pressure. EPA is working with federal and state partners to respond to the impacts of these storms.

Summary of EPA Activities

- As of February 27, 2021, EPA has received a total of 155 National Response Center (NRC) reports related to Winter Storms Uri and Viola, of which 106 are air releases. None have required EPA response actions beyond assessments by the Phone-Duty Officer.
- On February 27, 2021, ASPECT, in support of TCEQ, conducted its initial flight, starting in the Beaumont/Port Arthur area with plans to fly the Houston and Corpus Christi areas as well. A new Mission Assignment requests ESF #10 assistance for the ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex.
- On February 27, 2021, OCTEA shared the press release "EPA Supports Texas with Additional Air Monitoring Equipment," with stakeholders.
- On February 26, 2021, Winter Storm Update #10 was sent to EJ Stakeholders in all Region 6 states. A reminder that if stakeholders were seeing adverse environmental impacts from the cold weather events to let EPA know was included. The Office of External Affairs distributed the Management Report #10 to Congressional Members and OCTEA management for their distribution to stakeholders.

• Per TCEQ, the statewide status of petrochemical facilities related to the extreme weather in Texas is as follows:

Petrochemical Facilities in TX	# of Facilities
Operating	16
Partially or Fully Shutdown/Idling	71
Shutdown Indefinitely for Maintenance	2
Starting up	37

EPA Resources

Personnel	REOC Dallas*	FEMA Denton*	Houston Branch*	DFW Branch*	San Antonio Branch*	Total
R6*	9*	0	2*	1*	1*	12
R4	0	0	3	0	4	7
R7	0	0	0	3	0	3
ASPECT	2*	0	0	0	0	2
START	0	0	2	2	2	6
Total	11	0	7	6	7	31

* working virtually

NPL Sites

• Beginning on February 18, EPA initiated Phase-1 Rapid Response Assessments for 16 Superfund Sites. Ten sites reported no damage or significant impacts. Of the 6 sites that made storm preparations by shutting down, 2 have resumed operations and 4 (listed below) are testing and making repairs as needed.

- List of NPL sites Testing and Making Repairs:
 - Jones Road Ground Water Plume, TX
 - State Road 114 Ground Water Plume, TX
 - Motco, Inc., TX
 - Brio Refining Inc., TX

Drinking Water and Wastewater System Impacts

Drink Water Samples

	Dallas Fort Worth	Houston	San Antonio	Total
# of samples received	0	0	4	4
# of samples analyzed by Mobile Lab	0	0	4	4
# of samples couriered to other lab	0	0	0	0
# of samples unable to be analyzed	0	0	0	0
# of PWS Served	0	0	1	1

Drinking Water Systems Update

	Non/Partially Operational	Population Served	Boil Water Notices	Population Served
AR*			29	70,942
LA**	8	15,665	112	180,930

OK***			9	Not Reported
TX***	11	1,696	455	502,788

* As of 1600 hours February 26, 2021

** As of 1500 hours February 26, 2021

*** As of 1300 hours February 26, 2021, # of systems impacted = 239

**** As of 1000 hours February 27, 2021

Wastewater Systems Update

State	# of Wastewater Systems Impacted
OK*	19
TX**	3
* As of 1300 hours February 26, 2021	
** As of 1000 hours February 27, 2021	

Mission Assignments

- EPA received a signed Mission Assignment for \$2.54 million for the analysis of drinking water samples for bacteriological analysis at certified drinking water labs, and to provide mobile drinking water labs certified for bacteriological analyses of drinking water samples. The start date for the Mission Assignment was February 18 with an estimated completion date of March 18, 2021.
- EPA received a signed Mission Assignment for \$30,000 for virtual staffing of the FEMA Regional Response Coordination Center. The start date was February 11 with an estimated completion date of March 21, 2021.
- FEMA received a Resource Request for Federal Assistance from the State of Texas for air monitoring support with the ASPECT aircraft on February 26, 2021, with a start date of February 27, 2021 at 0800 hrs. FEMA issued a verbal approval via email on February 26, 2021, for EPA to begin work. In support of the state's resource request, EPA provided a cost estimate, concurred on by TCEQ, and a statement of work to FEMA on February 27, 2021. Region 6 has not received the formal MA from FEMA at this time.

Media Interest: High

Media Links:

<https://www.cnn.com/2021/02/22/us/texas-storm-recovery-monday/index.html>

<https://www.vox.com/the-goods/22295826/texas-power-outage-water-winter-storm-uri>

The EPA will continue to monitor and provide updates as needed

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Mark Baldwin, Senior Watch Officer
U.S Environmental Protection Agency
Headquarters Emergency Operations Center
1200 Pennsylvania Ave NW
Washington, DC 20460
202-564-3850
eoc.epahq@epa.gov

Message

From: Kelly Cook [kelly.cook@tceq.texas.gov]
Sent: 2/27/2021 7:32:01 PM
To: Carroll, Craig [Carroll.Craig@epa.gov]
CC: R6 RRC [R6_RRC@epa.gov]; Loesel, Matthew [loesel.matthew@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]
Subject: RE: Severe Cold Weather Event Daily Update 2-26-21
Attachments: Severe Cold Weather Event Daily Update 2-27-21

FYI...TCEQ update attached.

From: Carroll, Craig <Carroll.Craig@epa.gov>
Sent: Saturday, February 27, 2021 12:35 PM
To: Kelly Cook <kelly.cook@tceq.texas.gov>
Cc: R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>
Subject: Re: Severe Cold Weather Event Daily Update 2-26-21

Kelly,

Please reply to all with today's Texas update as I will be on road starting soon. Thanks!

Craig

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Sent: Friday, February 26, 2021 12:03 PM
To: Carroll, Craig <Carroll.Craig@epa.gov>
Subject: FW: Severe Cold Weather Event Daily Update 2-26-21

FYI

From: Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>
Sent: Friday, February 26, 2021 12:01 PM
To: Toby Baker <Toby.Baker@tceq.texas.gov>; Steven Schar <Steven.Schar@Tceq.Texas.Gov>; Ramiro Garcia <ramiro.garcia@tceq.texas.gov>; L'Oreal Stepney <loreal.stepney@tceq.texas.gov>; Susan Johnson <susan.johnson@tceq.texas.gov>; Allison Woodall <allison.woodall@tceq.texas.gov>; Michelle Havelka <michelle.havelka@tceq.texas.gov>; Ferrell Fields <Ferrell.Fields@tceq.texas.gov>; Jim Rizk <Jim.Rizk@Tceq.Texas.Gov>; Brody Burks <Brody.Burks@tceq.texas.gov>; Morgan Johnson <Morgan.Johnson@tceq.texas.gov>
Cc: David Bower <David.Bower@tceq.texas.gov>; Kelly Cook <kelly.cook@tceq.texas.gov>; Earl Lott <earl.lott@tceq.texas.gov>; Tonya Baer <Tonya.Baer@tceq.texas.gov>; Erin E. Chancellor <Erin.Chancellor@tceq.texas.gov>; Brent Wade <brent.wade@tceq.texas.gov>; Kelly Keel Linden <Kelly.KeelLinden@tceq.texas.gov>
Subject: Severe Cold Weather Event Daily Update 2-26-21

Updates attached.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

Message

From: Craig Pritzlaff [Craig.Pritzlaff@tceq.texas.gov]
Sent: 2/27/2021 5:38:17 PM
To: Toby Baker [Toby.Baker@tceq.texas.gov]; Steven Schar [Steven.Schar@Tceq.Texas.Gov]; Ramiro Garcia [ramiro.garcia@tceq.texas.gov]; L'Oreal Stepney [loreal.stepney@tceq.texas.gov]; Susan Johnson [susan.johnson@tceq.texas.gov]; Allison Woodall [allison.woodall@tceq.texas.gov]; Michelle Havelka [michelle.havelka@tceq.texas.gov]; Ferrell Fields [Ferrell.Fields@tceq.texas.gov]; Jim Rizk [Jim.Rizk@Tceq.Texas.Gov]; Brody Burks [Brody.Burks@tceq.texas.gov]; Morgan Johnson [Morgan.Johnson@tceq.texas.gov]
CC: David Bower [David.Bower@tceq.texas.gov]; Kelly Cook [kelly.cook@tceq.texas.gov]; Earl Lott [earl.lott@tceq.texas.gov]; Tonya Baer [Tonya.Baer@tceq.texas.gov]; Erin Chancellor [erin.chancellor@tceq.texas.gov]; Brent Wade [brent.wade@tceq.texas.gov]; Kelly Keel Linden [Kelly.KeelLinden@tceq.texas.gov]
Subject: Severe Cold Weather Event Daily Update 2-27-21
Attachments: Statewide Issues SOC Daily Report 2-27-21 1000am.docx; Region Office Activities 2-27-21 1000am.docx; Polar Vortex PWS Status Summary.xlsx; Polar Vortex PWS BWN-only Status Summary 02272021 1000.xlsx; Polar Vortex PWS-WW Status 02272021 1000.pdf; Polar Vortex PWS-WW Status 02272021 1000.xlsx

Updates attached. The maps are not yet complete and will be sent separately when available.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

Severe Cold Weather Event Daily SOC Report

Statewide Issues (February 27, 2021 10am)

The TCEQ has a vast amount of regulatory guidance, support material and useful information posted under the Severe Cold Weather Event Response link on our main web page [[HYPERLINK "https://www.tceq.texas.gov/response/temporary-suspension-of-rules-due-to-severe-weather"](https://www.tceq.texas.gov/response/temporary-suspension-of-rules-due-to-severe-weather)].

DRINKING WATER AND WASTEWATER

Public Water Systems (206 Counties Reporting)

# Systems reporting*	Non-Op total	BWN Active	BWN rescinded	Non-Op population	BWN population
2,197	11	455	1,696	2,006	502,788

*Systems that reported issues at any time after 02/12/2021. Some systems may be back in operation.

TCEQ Phone Bank

The TCEQ has established a phone bank to assist Public Water Systems find an available laboratory to analyze samples.

	# of Calls rec'd & answered by staff	# of Messages left on VM	PWS requesting a Lab for testing	Technical PWS inquiry/ Enf Disc	Citizen calling w/ questions	Other
Fri 2/19	4	4	2	4	2	0
Sat 2/20	25	0	5	7	7	6
Sun 2/21	20	0	3	11	5	1
Mon, 2/22	34	0	6	21	5	2
Tue, 2/23	22	0	0	13	7	2
Wed, 2/24	9	0	1	5	0	3
Thu, 2/25	9	0	0	5	1	3
Fri, 2/26	5	0	0	2	0	3
Total	128	4	17	68	27	20

Wastewater (55 Counties Reporting)

# Systems reporting*	Non-Op total
131	3

*Systems that reported issues at any time after 02/12/2021. Some systems may be back in operation.

Laboratories

Approximately 94 Drinking Water Accredited labs are currently qualified to run bacteriological (Bac T) samples for public water systems including EPA mobile labs in Fort Worth and Houston. We are continuing to reach out to labs to determine if they are operational and available to analyze samples.

TCEQ has requested assistance from EPA to address the widespread Public Water System (PWS) outages. This assistance includes help with analyzing drinking water samples at certified drinking water labs for sample Bac T samples that are required to lift boil water notices and get PWSs back online, and for providing three mobile drinking water labs certified for bacteriological analyses for the same purpose.

The three mobile labs will be deployed to the following locations:

- TCEQ Region 4 Office in Dallas/Fort Worth - OPERATIONAL
- 2309 Gravel Dr, Fort Worth, TX 76118
- Mobile lab coming from EPA Region 7 Kansas City, Kansas
- Arrived in TX on Sunday 2/21
- Setup at Region 4 Dallas/Fort Worth Office on Monday 2/22
- Lab became operational at approximately 1:15pm Tuesday 2/23
- Lab capacity is 48 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Pratisha Adams 469/805-4910

- TCEQ Region 12 Office in Houston - OPERATIONAL
- 5425 Polk St, Houston, TX 77023
- Mobile lab coming from EPA Region 4 Athens, Georgia
- Arrived in TX on Sunday 2/21
- Setup at Region 12 Houston Office on Sunday 2/21
- Lab became operational at approximately 3:00pm Monday 2/22
- Lab availability was reported out via TCEQ PWS hotline beginning Monday 2/22
- Lab capacity is 100 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Idy Ouedraogo 469/271-6347

- TCEQ Region 13 Office in San Antonio - OPERATIONAL
- 14250 Judson Rd, San Antonio, TX 78233
- Mobile lab coming from EPA Region 4 Atlanta, Georgia
- Arrived in TX on Tuesday 2/23
- Setup at Region 13 San Antonio Office on Wednesday 2/24
- Lab became operational late Wednesday 2/24
- Lab capacity is 100 Bac-T samples per day
- EPA Mobile Lab Branch Chief Director is Nick Roff 469/578-5172

PETROCHEMICAL FACILITIES

Based on the best available information reported through STEERS and information obtained from TCEQ staff outreach to regulated entities, the summary below lists the status of petrochemical facilities related to the extreme winter weather:

- 16 facilities are operating
- 71 facilities are either partially or fully shutdown
- 2 facilities are shutdown indefinitely for maintenance
- 37 facilities are starting up

Please note a shutdown may be authorized under a TCEQ air permit, or unauthorized and conducted in accordance with state rules. Recordkeeping is required in either case, but only certain unauthorized events are required to be reported either before the event or shortly thereafter. A final report of these unauthorized events is due two weeks after the event.

TCEQ AIR MONITORING

The TCEQ uses every appropriate means of air monitoring available to support our mission to protect human health and the environment.

All continuous air monitoring stations are back online. Three individual samplers remain offline due to storm-related damage and will be repaired or replaced as soon as possible.

In response to the severe winter weather event in February of 2021, TCEQ began conducting handheld monitoring along industrial corridors in Houston, Beaumont and Corpus Christi to assess air quality. Air monitoring is being conducted by regional TCEQ staff to monitor for volatile organic compounds, lower explosive level, carbon monoxide, oxygen levels, sulfur dioxide, hydrogen sulfide, in addition to other compounds on an as needed basis. As of 9:20 a.m. on February 27, 2021, 640 individual monitoring events had occurred analyzing 3,256 distinct air contaminants.

TCEQ's SMART van conducted surveys in the Beaumont, Port Arthur, and Port Neches areas on Friday. The other SMART van performed surveys around the industrial areas in Nueces County and San Patricio County on Friday. The Rapid Assessment survey van conducted surveys in the Galena Park, Manchester and Milby Park near the Houston Ship Channel on Friday. No levels in any areas were measured above background concentrations. To date, the TCEQ mobile monitoring vans have covered over 220 miles performing air monitoring surveys through communities in Beaumont, Houston, and Corpus Christi.

Additionally, starting on February 27, 2021, the U.S. Environmental Protection Agency (EPA) deployed its Airborne Spectral Photometric Environmental Collection Technology, or ASPECT plane, staff and equipment to Southeast Texas. The ASPECT plane will collect infrared images and air monitoring data over the Beaumont, Corpus Christi and Houston areas. The plane will conduct flyovers over each city for up to seven days.

**Severe Cold Weather Event
Region Office Activities Report (February 27, 2021 10am)**

R1 - Amarillo

No additional mortality issued expected for feedlots/dairies.

Milk disposal. Callout to dairy representatives indicate there have been no issues.

No debris sites for cleanup or outdoor burning requests anticipated.

Anticipate additional emissions events caused by freezing temps. Eight reported emissions events.

Valero McKee Refinery and Conoco Phillips Refinery are running at reduced capacity due to shortage of natural gas delivery to facilities.

R1 staff have contacted 70 PWS facilities. No facilities report system outages or BWN. No assistance was requested.

R2 - Lubbock

Anticipate mortality issues for feedlots/dairies.

Anticipate debris sites for cleanup and outdoor burning requests.

City of Crosbyton – BWN Rescinded 02/25/2021

City of Post (partially operational /BWN) – The city has distributed bottled water to residents. The city has water throughout distribution system and is planning to collect samples February 27th.

City of Ralls BWN Rescinded 02/26/2021

Valley Water Supply Corporation BWN Rescinded 02/26/2021

R3 - Abilene

All water systems in the Abilene Region are now considered operational.

City of Abilene now producing 35 MGD.

City of Abilene lifted BWN on 2/21/21.

Region landfills are operating as normal. The Vernon and Bowie waste transfer stations have requested approval to operate at a higher capacity in anticipation of an increase in waste due to the storms – approval is pending.

R4 - DFW

As of 2/27/21, two PWS facilities are still non-operational.

- Spring Creek Circle WSC (population 51)

- Spring Creek Circle WSC, PWS ID No. 2200115, is a small, trailer park water system in Tarrant County with 17 connections and a population of 51 people. Their one and only well has malfunctioned due to the power outages and freezing temperatures. The pump and well casing need to be replaced. The City of Grand Prairie is filling up the ground storage tank at Spring Creek Circle every morning. Everyone should have water; however, we will still keep it at a non-operational status since the well is still not fixed and the water is finite for the day. They received a quote from a local well company to repair the well and are waiting for a date that the repair can be conducted.
- The TCEQ Water Supply Division was in contact with them on February 23, 2021 to provide help with repairs, funding, and emergency assistance. We also provided them with the LEPC and EMC contact information. The water system owner/operator, Ms. Regina Martinez, spoke to someone about picking up 40 cases of bottled water but since our last update, they had not received the water yet.
- Golden Express Truck Stop (noncommunity water system)
 - Contact with Golden Express was made on February 24, 2021. The water system indicated that due to high demand, a plumber wouldn't be able to come out until March 2, 2021. We sent an email with the EMC information, TxWarn and BWN information.

As of 2/27/21, we have reached out to 481 out of the 708 water systems in our region.

NTMWD reported on 2/24/21 that the Stewart Creek W plant 2 in Denton County is now functioning normally. Both clarifiers on plant 1 are functioning but the mixed liquor suspended solids (MLSS) have not returned to normal levels, so they are still concerned about phosphorus and ammonia exceeding permit limits.

R5 - Tyler

Sanderson Farms informed region they will start burying dead birds as a result of the extreme weather. All four plants in Texas stopped processing Saturday. They plan to restart operations Monday 2/22/2021.

City of Tyler PWS, Smith County (RN101385870, population 115214, # of connections 40696) Update from Ms. Katherine Dietz, Water Manager with the City of Tyler (cell 903-330-1431)

- A city-wide BWN was rescinded. Lake Palestine raw intake pumps are back on-line. The Golden Road SWTP is operational. (no loss of power and it has dual electric feeds).

West Gregg SUD, Gregg County (RN101459410, population 4737, # of connections 1579) currently has at least one well frozen and is experiencing frequent power outages. They haven't had any losses of service at this time.

The City of Pittsburg, Camp County (RN101391910, population 4754, # of connections 2349) is operating at a limited capacity due to the Northeast Texas MWD

Pittsburg Plant having a raw water leak and running at a limited capacity. Having issues keeping the pipes thawed.

East Texas MUD, Smith County (RN101270536, population 2661, # of connections 887) Power restored, operating under BWN. **This system serves UTHSCT Hospital.**

Southern Utilities, Smith County (RN101206217, population 61662, # of connections 20554) Having issues maintaining pressure as a result of rolling blackouts at plant and issues with diesel gumming up in the generators and their vehicles to respond line breaks etc. Due to inclement weather conditions, they will be implementing Stage 2 Mandatory Water Restrictions.

R6 - El Paso

Hudspeth County W. C. and I.D. #1 issued a BWN for the Sierra Blanca area.

Candelaria WSC issued a BWN

R7 - Midland

Midland International Airport PWS issued a BWN – residential customers not affected. The BWN has been rescinded.

City of Big Spring issued a BWN.

Greater Gardendale Water Supply Corp issued a BWN.

City of Midland has not issued a BWN, but reporting multiple line leaks.

R8 - San Angelo

Still addressing the contamination event in San Angelo drinking water distribution system.

City of San Angelo is off the BWN. The DO NOT USE restriction has been changed to Do Not Drink for the industrial wedge from the contamination issue which occurred 2/08/2021.

Rochelle WSC, PWS 1540004 - leak(s) being addressed through the system with assistance from Richland Springs WSC. System is fully operational with samples being taken today or tomorrow.

Lakeland Services - (McCulloch County) under BWN and chlorine ok but having hard time finding plumbing supplies to fix leaks. Looking in larger towns for supplies.

R9 - Waco

Sanderson Farms informed region they will start burying dead birds as a result of the extreme weather. Landfill hours for disposal have been extended at area landfills to accommodate.

Most systems have made repairs and are in the process of rescinding or have rescinded their BWN. Some water providers remain under BWNs.

R10 – Beaumont

There were several PWS systems that issued boil water notices due to the loss of pressure caused by power outages and frozen pipes in the system. The status of these systems are being updated daily and can be found in the Polar Vortex table that is being maintained. Most of the water systems have made repairs and are in the process of rescinding the boil water notices. All large systems (population 10,000 or greater) have rescinded their boil water notices. On February 26, 2021, 7 smaller systems (population less than 10,000) rescinded their boil water notices. There are 41 smaller systems that are still in the process of rescinding the notices. Two of these systems have requested assistance with purchasing a generator; however, they are operational at this time and are working to lift the boil water notice.

Invista Orange issues with the UIC wells. There was a potential loss of annulus pressure on WDW282 due to the freezing temperatures. There does not appear to be any loss of mechanical integrity of the wells.

All petrochemical facilities were shutdown, some hard and some controlled, some cold and some idling as a result of the freeze. The biggest issues were the lack of supplies of natural gas, nitrogen, and steam from offsite suppliers. Most facilities are in the process of assessing repairs and gas supplies and are making plans to start up operations in the near future. The following facilities are in various stages of starting back up operations:

- Exxon Mobil Beaumont Refinery on 2/20/2021
- Motiva Port Arthur Refinery on 2/21/2021 Valero Port Arthur Refinery on 2/21/2021.
- Total Refinery on 2/24/2021
- Arkema Chemical on 2/24/2021
- Chevron Phillips Orange Polyethylene Plant on 2/21/2021
- Motiva Chemicals on 2/22/2021
- BASF on 2/26/2021
- Indorama (Huntsman) plans on starting up on 2/27/2021

R11 – Austin

City of Austin, San Marcos, Leander, Georgetown, and Pflugerville have all rescinded their BWNs. Most systems have made repairs and are in the process of rescinding or have rescinded their BWN. Some Austin area water providers remain under BWNs.

Two TDMS requests have been approved for the City of Lago Vista and one TDMS request has been approved for Burnet County. The Region expects to receive additional requests the week of 2/21/21.

R12 – Houston

Numerous Petrochemical/Chemical/Industrial facilities have reported operational issues and shutdowns due to the weather. Facilities continue to evaluate weather impacts. These assessments are continuing; limited number of facilities are initiating start-up.

A number of Boil Water Notices have been issued, mostly due to power loss and freezing conditions. Currently, many issued BWNs across the area remain in effect; however, there continues to be a steady number of entities lifting their BWN. All over 100K in the region have lifted their BWNs. The City of Houston's BWN was lifted 2/21/21 and notice to the public was provided at 3:00 pm.

Also, there are some WWTPs impacted (power loss/frozen equipment). Facilities continue to return to full operations and the remaining facilities continue to work to re-establish full operational status.

The region is updating the established tracking information as information becomes known.

Many area cities continue to distribute bottled water and Foodbanks across the region are continuing to distribute food and bottled water.

The region approved the first request for a Temporary Debris Management Site (TDMS) in Harris County 2/20/21. Local cities and landfills are gearing up to manage bulk garbage and clean-up debris. The Region has received 2 additional TDMS applications from Harris County for review and approval.

The Air Section is conducting area air monitoring. The mobile monitoring van will continue to monitor today (2/27/21).

R13 – San Antonio

A few area PWS on BWN.

As of 4PM 2/21 SAWS had restored water to 100% of its service area. All of SAWS distribution area has been cleared of the BWN. New Braunfels Utility lifted their BWN 2/21.

San Antonio Refinery LLC (Calumet) The facility was in recirculation mode prior to the storm and was not receiving product. During the storm, a pump failed causing a reportable emissions event. According to the facility (info from this morning), the event lasted 30 minutes and involved 365 bbl of hydrocarbon. The event was captured on social media and is impressive to look at. The Region contacted the facility today and they stated it all burned or remained in secondary containment, so they did not submit a spill report. We are waiting on the final EE report. The facility is back in recirculation mode and has no plans to restart. They are currently planning to shut down the facility to make preplanned improvements, per the facility.

This information was not previously provided: SAWS reported a SSO on 2/19 that occurred on at W. Commerce and Leon Creek, due to bypass pump losing power. It was estimated to be >50,000. Notification due to private well within ½ mile. Well owner was

notified. On 2/22 the Region was informed SAWS found 8 dead fish on 2/21. Region sent investigator to observe clean-up on 2/22.

On 2/19 The Region received notification that an unauthorized, "Certified plumber" made entry to a well site and "fixed" a busted pipe then flushed system at a hydrant, all belonging to Canyon Lake Water System. He then notified CLWS who is no threatening legal action. This person also provided this notification to the TCEQ via a spill report. OW (Leticia DeLeon) was made aware 2/19. Added 2/23: yesterday (2/22) investigator noted 2 small, dead fish as well as live fish. SAWS continues to cleanup via pumping and well as sampling and monitoring continue.

The EPA Mobile Laboratory is operational. Samples from one PWS were received 2/24.

R14 - Corpus Christi

Of the 122 community water systems in the Corpus Christi Region, 78 of the water systems have issued or will be issuing a boil water notice. 70 of the systems have rescinded boil water notices. The Corpus Christi Region Office plans to continue contacting community and noncommunity water systems today to assess their condition in response to the severe cold weather event.

The City of Corpus Christi rescinded the Boil Water Notice on 02/20/2021.

The City of Victoria rescinded the Boil Water Notice on 02/21/2021.

The City of Beeville rescinded the Boil Water Notice on 02/23/2021.

Petrochemical plants in the Corpus Christi Region "shutdown" due to issues with damaged water lines, damaged equipment, curtailment of natural gas supplies, and lack of nitrogen supplies. Facilities continue to conduct assessments of the damage and make necessary repairs. Some of these assessments/repairs are expected to take up to an additional two weeks. Several petrochemical facilities have started operating with several more currently in start-up mode. Two facilities elected to move up previously scheduled maintenance while the plants are shut down for weather related repairs. Although many of the facilities have additional assessments/repairs to complete prior to startup, the lack of nitrogen and natural gas continue to be of concern.

Provided guidance to Nueces County officials regarding the burial/disposal of 10,000 pounds of dead sea turtles.

R15 - Harlingen

Multiple drinking water systems issued a BWN.

On February 18, 2021, East Rio Hondo Water Supply Corporation submitted a variance request to bring on of their water treatment plants back on-line that was offline for system upgrades (filters). On February 19, 2021, the Harlingen regional management with OW to discuss the variance. OW could not support the variance and denied the

request. The Harlingen region communicated back to ERHWSC that the submitted variance was denied and offer options to request water.

Multiple wastewater lift stations reported power outages and are using generators.

Anticipate requests for agricultural burns.

R16 - Laredo

Multiple drinking water systems with operational issues (water outage, low pressure, and issued BWN).

Webb Co WWTP and lift stations - no power since 2/15/2021 at 11am. WWTP operator will submit SSO notification.

City of Laredo will be issuing a BWN for the area around Highway 359.

City of Del Rio - The San Felipe WWTP is fully operational as they have power. The raw sewage that was released was jet vacuumed before it reached the creek and the area disinfected. The City of Del Rio did not submit the STAR request and they no longer have plans to submit it as they were able to secure generators from another source.

Message

From: R6 RRC [R6_RRC@epa.gov]
Sent: 2/27/2021 2:10:28 PM
To: Fisher, Bray [fisher.kelsey@epa.gov]
CC: Carroll, Craig [Carroll.Craig@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]; R6 RRC [R6_RRC@epa.gov]
Subject: FW: RRF for EPA ASPECT Aircraft
Attachments: RRF for EPA ASPECT.docx; BPA.pdf; Corpus Christi.pdf; HGB.pdf; FEMA RRF Form 2-26-2021a.pdf

Here's what's in the RRC mailbox.
Adam

From: Carroll, Craig <Carroll.Craig@epa.gov>
Sent: Friday, February 26, 2021 8:50 PM
To: Perovich, Gina <Perovich.Gina@epa.gov>
Cc: Petersen, Chris <petersen.chris@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>; R6 RRC <R6_RRC@epa.gov>
Subject: Fwd: RRF for EPA ASPECT Aircraft

Sent from my iPhone

Begin forwarded message:

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Date: February 26, 2021 at 7:14:58 PM CST
To: Michelle Havelka <michelle.havelka@tceq.texas.gov>
Cc: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>, Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>, David Bower <David.Bower@tceq.texas.gov>, Ramiro Garcia <ramiro.garcia@tceq.texas.gov>, Jonathan Walling <jonathan.walling@tceq.texas.gov>, Cynthia Gandee <cynthia.gandee@tceq.texas.gov>, anthony.buck@tceq.texas.gov, Melinda Johnston <melinda.johnston@tceq.texas.gov>, Melinda Torres <Melinda.Torres@tceq.texas.gov>, Richard Chism <Richard.Chism@tceq.texas.gov>, Brandy Brooks <brandy.brooks@tceq.texas.gov>
Subject: RRF for EPA ASPECT Aircraft

Michelle,
Here's the RRF and other pertinent information related to the MA request for the EPA ASPECT Flights. The RRF, word doc and flight area maps are attached. Please see cost estimate and description of request, below. Thank you.

ASPECT plane	\$11,000/day		7 days	\$77,000
2 pilots	\$1300@/day	X 2	7 days	\$18,200
2 EPA staff	\$1000@/day	X 2	7 days	\$14,000
TOTAL				\$109,200

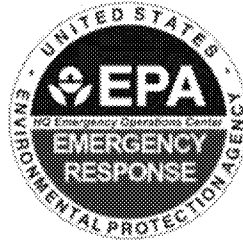
Requesting ESF-10 assistance for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex. (specific maps to be provided by TCEQ). Visible imagery should also be collected. Request that flyovers be conducted of each city twice per day (once at a minimum) beginning 2/27/2021 for a period not to exceed 7 days. Data and photographs should be evaluated and posted to electronic website.

Kelly W. Cook, Deputy Director
Critical Infrastructure Division
Office Of Compliance and Enforcement
Texas Commission on Environmental Quality

From: Eoc, Epahq [Eoc.Epahq@epa.gov]
Sent: 2/27/2021 11:11:15 AM
Subject: EOC Spot Report: Region 6, ASPECT Activation, FEMA MA

This report is being sent as a bcc to prevent accidental Reply to All messages.

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EOC Spot Report: Region 6, ASPECT Activation, FEMA MA

US Environmental Protection Agency

Report Date: 2/27/2021

Last edited 2/27/2021 6:08 AM UTC

Overview: The Texas Commission on Environmental Quality (TCEQ) requested the EPA ASPECT aircraft to deploy and support the TCEQ's air monitoring resources in major industrial areas impacted by Winter Storms Uri and Viola that began on February 14, 2021.

State, Local and other Federal Agency Actions: TCEQ is conducting air monitoring in industrial areas and surrounding communities in the Houston, Texas area and neighboring municipalities while large industrial facilities come back on-line to monitor for air emissions which could impact nearby residents. To supplement its air monitoring resources and cover larger areas more efficiently, TCEQ requested the ASPECT through FEMA Emergency Support Function #10.

EPA Actions: EPA Region 6 notified ASPECT staff and began preparations to deploy ASPECT on February 27, 2021. ASPECT will be deployed, weather permitting, at approximately 10:00 CDT to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial Area, the Beaumont Industrial Complex and the Corpus Christi Industrial Complex. Visible imagery will also be collected. Flyovers are being planned for at least once per day for seven days beginning on February 27, 2021. Detection results and photographs will be evaluated and posted to a Response.gov website.

Media Interest: None

The EPA will continue to monitor and provide updates as needed

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Mark Baldwin, Senior Watch Officer

U.S Environmental Protection Agency
Headquarters Emergency Operations Center
1200 Pennsylvania Ave NW
Washington, DC 20460
202-564-3850
eoc.epahq@epa.gov

Message

From: Perovich, Gina [Perovich.Gina@epa.gov]
Sent: 2/27/2021 4:02:38 AM
To: Carroll, Craig [Carroll.Craig@epa.gov]
Subject: Re: Heads up

Thx. U rock!

Gina Perovich
Director, CBRN Consequence Management Advisory Division
EPA's Office of Emergency Management
202-384-3241

On Feb 26, 2021, at 11:02 PM, Carroll, Craig <Carroll.Craig@epa.gov> wrote:

This is actually not the final copy but it's close. We recommended a couple of minor changes to XA.

Sent from my iPhone

Begin forwarded message:

From: "Hubbard, Joseph" <Hubbard.Joseph@epa.gov>
Date: February 26, 2021 at 7:55:55 PM CST
To: "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>
Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Carroll, Craig" <Carroll.Craig@epa.gov>
Subject: RE: Heads up

Here's a clean copy. We will plan to get all of the reviews out of the way and then standby for receipt of MA.

Best,

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

From: Petersen, Chris <petersen.chris@epa.gov>
Sent: Friday, February 26, 2021 7:50 PM
To: Foster, Nichole <Foster.Nichole@epa.gov>
Cc: Hubbard, Joseph <Hubbard.Joseph@epa.gov>; McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Subject: Re: Heads up

I agree with Nichole's comments. I will let you know when we actually receive the MA. I would like for Craig to review this also so I will give him a call now.

Sent from my iPhone

On Feb 26, 2021, at 7:43 PM, Foster, Nichole <Foster.Nichole@epa.gov> wrote:

I will defer to Chris as lead on this task however I have two edits to suggest.

Second paragraph last sentence change collect flyovers to conduct flyovers.

While Louisiana, Oklahoma, and Arkansas are reporting data to us, I am not aware of any response activities taking place in Louisiana (or the other states for that matter) We may want to consider removing that state reference. All the other information for Texas is correct.

Sent from my iPhone

On Feb 26, 2021, at 7:30 PM, Hubbard, Joseph <Hubbard.Joseph@epa.gov> wrote:

How's this? Please see enclosed.

Best,

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

From: Petersen, Chris <petersen.chris@epa.gov>
Sent: Friday, February 26, 2021 6:46 PM
To: Hubbard, Joseph <Hubbard.Joseph@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>
Cc: McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Subject: RE: Heads up

TCEQ will be submitting a request to FEMA for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex. (specific maps to be provided by TCEQ). Visible imagery should also be collected. Request that flyovers be conducted of each city twice per day (once at a minimum) beginning 2/27/2021 for a period not to exceed 7 days. Data and

photographs should be evaluated and posted to electronic website.

From: Hubbard, Joseph <Hubbard.Joseph@epa.gov>
Sent: Friday, February 26, 2021 6:13 PM
To: Foster, Nichole <Foster.Nichole@epa.gov>
Cc: Petersen, Chris <petersen.chris@epa.gov>; McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>
Subject: Fwd: Heads up

Hey Nichole,

Thanks for the information and talking with me. I'm going to standby until things develop more and logistics are worked out.

V/R

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: [214-665-8476](tel:214-665-8476)
Hubbard.joseph@epa.gov

Begin forwarded message:

From: "Hubbard, Joseph" <Hubbard.Joseph@epa.gov>
Date: February 26, 2021 at 5:30:21 PM CST
To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Parsons, Nellie" <Parsons.Nellie@epa.gov>
Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Stenger, Wren" <stenger.wren@epa.gov>
Subject: Re: Heads up

Do we have any background on the request to deploy ASPECT, i.e. where, when, why, how long, etc ect?

v/r

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: [214-665-8476](tel:214-665-8476)
Hubbard.joseph@epa.gov

On Feb 26, 2021, at 5:15 PM, Gray, David <gray.david@epa.gov> wrote:

When we deploy ASPECT – we will want to announce this in the press and notify EJ groups.
<R6 Winter Storm ASPECT Press Release.docx>

<R6 Winter Storm ASPECT Press Release .docx>

Message

From: Perovich, Gina [Perovich.Gina@epa.gov]
Sent: 2/27/2021 2:57:06 AM
To: Carroll, Craig [Carroll.Craig@epa.gov]
CC: Petersen, Chris [petersen.chris@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Argenta, Edward [Argenta.Edward@epa.gov]
Subject: Re: RRF for EPA ASPECT Aircraft

Got it, Craig. Thank you.

I'm adding Edward Argenta to this trail as he is the new FOB branch chief and will be overseeing the aspect appointment.

Also - would it be possible for region 6 to work with Ed and the headquarters EOC to get out an updated spot report reflecting the activation of the aircraft? Barry Breen has requested one be done immediately upon the activation request.

Thank you!
Gina

Sent from my iPhone

> On Feb 26, 2021, at 9:50 PM, Carroll, Craig <Carroll.Craig@epa.gov> wrote:

>
>
>

> Sent from my iPhone

>

> Begin forwarded message:

>

> From: Kelly Cook <kelly.cook@tceq.texas.gov>

> Date: February 26, 2021 at 7:14:58 PM CST

> To: Michelle Havelka <michelle.havelka@tceq.texas.gov>

> Cc: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>, Craig Pritzlaff

<Craig.Pritzlaff@tceq.texas.gov>, David Bower <David.Bower@tceq.texas.gov>, Ramiro Garcia

<ramiro.garcia@tceq.texas.gov>, Jonathan Walling <jonathan.walling@tceq.texas.gov>, Cynthia Gandee

<cynthia.gandee@tceq.texas.gov>, anthony.buck@tceq.texas.gov, Melinda Johnston

<melinda.johnston@tceq.texas.gov>, Melinda Torres <Melinda.Torres@tceq.texas.gov>, Richard Chism

<Richard.Chism@tceq.texas.gov>, Brandy Brooks <brandy.brooks@tceq.texas.gov>

> Subject: RRF for EPA ASPECT Aircraft

>

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>

>

> Kelly W. Cook, Deputy Director

> Critical Infrastructure Division

> Office Of Compliance and Enforcement

> Texas Commission on Environmental Quality

>

Message

From: Hubbard, Joseph [Hubbard.Joseph@epa.gov]
Sent: 2/27/2021 2:03:04 AM
To: Petersen, Chris [petersen.chris@epa.gov]
CC: Foster, Nichole [Foster.Nichole@epa.gov]; McAtee, Jeffrey [McAtee.Jeffrey@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
Subject: Re: Heads up

Got it, thanks everyone.

V/R

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

On Feb 26, 2021, at 8:01 PM, Petersen, Chris <petersen.chris@epa.gov> wrote:

Here are Craig's comments/changes. Then it is ready to go.

The ASPECT plane will collect infrared images and air monitoring data over the Beaumont, Corpus Christi and Houston, Texas areas. The plane will conduct flyovers over each city for up to seven days.

We are going tomorrow morning with or without the final MA so I would say send it out tomorrow.

Thanks

From: Hubbard, Joseph <Hubbard.Joseph@epa.gov>
Sent: Friday, February 26, 2021 7:56 PM
To: Petersen, Chris <petersen.chris@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>
Cc: McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Subject: RE: Heads up

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Subject: Re: Heads up

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Subject: Fwd: Heads up

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Sent: 2/27/2021 2:01:41 AM
To: Hubbard, Joseph [Hubbard.Joseph@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]
CC: McAtee, Jeffrey [McAtee.Jeffrey@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
Subject: RE: Heads up

Here are Craig's comments/changes. Then it is ready to go.

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We are going tomorrow morning with or without the final MA so I would say send it out tomorrow.

Thanks

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U.S. ENVIRONMENTAL PROTECTION AGENCY
NEWS RELEASE
WWW.EPA.GOV/NEWSROOM

EPA supports Texas with additional air monitoring equipment

Media contacts: Joe Hubbard or Jennah Durant, [[HYPERLINK "mailto:R6Press@epa.gov"](mailto:R6Press@epa.gov)] or 214 665-2200

DALLAS – (Feb. XX, 2021) To support the response to Winter Storm Uri and Viola, the U.S. Environmental Protection Agency (EPA) has deployed the Airborne Spectral Photometric Environmental Collection Technology, or ASPECT plane, staff and equipment to Southeast Texas. This support comes in response to the Texas Commission on Environmental Quality's (TCEQ) request to the Federal Emergency Management Agency (FEMA), which then gave EPA the assignment.

The ASPECT plane was deployed to collect infrared images and air monitoring data over the Beaumont, Corpus Christi and Houston, Texas areas. The plane will conduct flyovers over each city twice per day for a period not to exceed seven days.

EPA continues to support FEMA, state, local and tribal partners in response to Winter Storm Uri and Viola. EPA is taking action to ensure Superfund sites are secure following the storm, to assist public drinking water systems with rapid assessments, and to seamlessly integrate emergency response activities with Texas and other federal response agencies. EPA encourages affected communities to continue staying alert for instructions from local authorities.

More information on ASPECT can be found here: [[HYPERLINK "https://www.epa.gov/emergency-response/aspect"](https://www.epa.gov/emergency-response/aspect)]

For more EPA Response information, please visit: [[HYPERLINK "https://response.epa.gov/site/site_profile.aspx?site_id=15082"](https://response.epa.gov/site/site_profile.aspx?site_id=15082)]

Connect with EPA Region 6:

On Facebook: [[HYPERLINK "https://www.facebook.com/eparegion6"](https://www.facebook.com/eparegion6)]

On Twitter: [[HYPERLINK "https://twitter.com/EPAregion6"](https://twitter.com/EPAregion6)]

About EPA Region 6: [[HYPERLINK "https://www.epa.gov/aboutepa/epa-region-6-south-central"](https://www.epa.gov/aboutepa/epa-region-6-south-central)]

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Hubbard.joseph@epa.gov

On Feb 26, 2021, at 5:15 PM, Gray, David <gray.david@epa.gov> wrote:

When we deploy ASPECT – we will want to announce this in the press and notify EJ groups.



U.S. ENVIRONMENTAL PROTECTION AGENCY

NEWS RELEASE

WWW.EPA.GOV/NEWSROOM

EPA supports Texas with additional air monitoring equipment

Media contacts: Joe Hubbard or Jennah Durant, [[HYPERLINK "mailto:R6Press@epa.gov"](mailto:R6Press@epa.gov)] or 214 665-2200

DALLAS – (Feb. XX, 2021) To support the response to Winter Storm Uri and Viola, the U.S. Environmental Protection Agency (EPA) has deployed the Airborne Spectral Photometric Environmental Collection Technology, or ASPECT plane, staff and equipment to Southeast Texas. This support comes in response to the Texas Commission on Environmental Quality's (TCEQ) request to the Federal Emergency Management Agency (FEMA), which then gave EPA the assignment.

The ASPECT plane was deployed to collect infrared images and air monitoring data over the Beaumont, Corpus Christi and Houston, Texas areas. The plane will collect flyovers over each city twice per day for a period not to exceed seven days.

EPA continues to support FEMA, state, local and tribal partners in response to Winter Storm Uri and Viola. EPA is taking action to ensure Superfund sites are secure following the storm, to assist public drinking water systems with rapid assessments, and to seamlessly integrate emergency response activities with Texas, Louisiana, and other federal response agencies. EPA encourages affected communities to continue staying alert for instructions from local authorities.

More information on ASPECT can be found here: [[HYPERLINK "https://www.epa.gov/emergency-response/aspect"](https://www.epa.gov/emergency-response/aspect)]

For more EPA Response information, please visit: [[HYPERLINK "https://response.epa.gov/site/site_profile.aspx?site_id=15082"](https://response.epa.gov/site/site_profile.aspx?site_id=15082)]

Connect with EPA Region 6:

On Facebook: [[HYPERLINK "https://www.facebook.com/eparegion6"](https://www.facebook.com/eparegion6)]

On Twitter: [[HYPERLINK "https://twitter.com/EPAregion6"](https://twitter.com/EPAregion6)]

About EPA Region 6: [[HYPERLINK "https://www.epa.gov/aboutepa/epa-region-6-south-central"](https://www.epa.gov/aboutepa/epa-region-6-south-central)]

###

Message

From: Kelly Cook [kelly.cook@tceq.texas.gov]
Sent: 2/27/2021 1:14:35 AM
To: Michelle Havelka [michelle.havelka@tceq.texas.gov]
CC: Carroll, Craig [Carroll.Craig@epa.gov]; Zehner, Warren [zehner.warren@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]; Craig Pritzlaff [Craig.Pritzlaff@tceq.texas.gov]; David Bower [David.Bower@tceq.texas.gov]; Ramiro Garcia [ramiro.garcia@tceq.texas.gov]; Jonathan Walling [jonathan.walling@tceq.texas.gov]; Cynthia Gandee [cynthia.gandee@tceq.texas.gov]; anthony.buck@tceq.texas.gov; Melinda Johnston [melinda.johnston@tceq.texas.gov]; Melinda Torres [Melinda.Torres@tceq.texas.gov]; Richard Chism [Richard.Chism@tceq.texas.gov]; Brandy Brooks [brandy.brooks@tceq.texas.gov]
Subject: RRF for EPA ASPECT Aircraft
Attachments: RRF for EPA ASPECT.docx; BPA.pdf; Corpus Christi.pdf; HGB.pdf; FEMA RRF Form 2-26-2021a.pdf

Michelle,

Here's the RRF and other pertinent information related to the MA request for the EPA ASPECT Flights. The RRF, word doc and flight area maps are attached. Please see cost estimate and description of request, below. Thank you.

ASPECT plane	\$11,000/day	7 days	\$77,000
2 pilots	\$1300@/day X 2	7 days	\$18,200
2 EPA staff	\$1000@/day X 2	7 days	\$14,000
TOTAL			\$109,200

Requesting ESF-10 assistance for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex. (specific maps to be provided by TCEQ). Visible imagery should also be collected. Request that flyovers be conducted of each city twice per day (once at a minimum) beginning 2/27/2021 for a period not to exceed 7 days. Data and photographs should be evaluated and posted to electronic website.

Kelly W. Cook, Deputy Director
Critical Infrastructure Division
Office Of Compliance and Enforcement
Texas Commission on Environmental Quality

Message

From: Hubbard, Joseph [Hubbard.Joseph@epa.gov]
Sent: 2/27/2021 12:51:16 AM
To: Petersen, Chris [petersen.chris@epa.gov]
CC: Foster, Nichole [Foster.Nichole@epa.gov]; McAtee, Jeffrey [McAtee.Jeffrey@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
Subject: Re: Heads up

Got it! Thanks Chris

v/r

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

On Feb 26, 2021, at 6:45 PM, Petersen, Chris <petersen.chris@epa.gov> wrote:

TCEQ will be submitting a request to FEMA for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex. (specific maps to be provided by TCEQ). Visible imagery should also be collected. Request that flyovers be conducted of each city twice per day (once at a minimum) beginning 2/27/2021 for a period not to exceed 7 days. Data and photographs should be evaluated and posted to electronic website.

From: Hubbard, Joseph <Hubbard.Joseph@epa.gov>
Sent: Friday, February 26, 2021 6:13 PM
To: Foster, Nichole <Foster.Nichole@epa.gov>
Cc: Petersen, Chris <petersen.chris@epa.gov>; McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>
Subject: Fwd: Heads up

Hey Nichole,

Thanks for the information and talking with me. I'm going to standby until things develop more and logistics are worked out.

V/R

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

Begin forwarded message:

From: "Hubbard, Joseph" <Hubbard.Joseph@epa.gov>
Date: February 26, 2021 at 5:30:21 PM CST
To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Parsons, Nellie" <Parsons.Nellie@epa.gov>

Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Stenger, Wren" <stenger.wren@epa.gov>

Subject: Re: Heads up

Do we have any background on the request to deploy ASPECT, i.e. where, when, why, how long, etc ect?

v/r

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: [214-665-8476](tel:214-665-8476)
Hubbard.joseph@epa.gov

On Feb 26, 2021, at 5:15 PM, Gray, David <gray.david@epa.gov> wrote:

When we deploy ASPECT – we will want to announce this in the press and notify EJ groups.

Message

From: Petersen, Chris [petersen.chris@epa.gov]
Sent: 2/27/2021 12:45:38 AM
To: Hubbard, Joseph [Hubbard.Joseph@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]
CC: McAtee, Jeffrey [McAtee.Jeffrey@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
Subject: RE: Heads up

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To: Foster, Nichole <Foster.Nichole@epa.gov>
Cc: Petersen, Chris <petersen.chris@epa.gov>; McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>
Subject: Fwd: Heads up

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U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

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Date: February 26, 2021 at 5:30:21 PM CST
To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Parsons, Nellie" <Parsons.Nellie@epa.gov>
Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Stenger, Wren" <stenger.wren@epa.gov>
Subject: Re: Heads up

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Joe Hubbard
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OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

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When we deploy ASPECT – we will want to announce this in the press and notify EJ groups.

Message

From: Petersen, Chris [petersen.chris@epa.gov]
Sent: 2/27/2021 12:34:42 AM
To: Kelly Cook [kelly.cook@tceq.texas.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
CC: Foster, Nichole [Foster.Nichole@epa.gov]; Zehner, Warren [zehner.warren@epa.gov]
Subject: ASPECT Info/Estimates

Kelly – See estimate below

ASPECT plane	\$11,000/day		7 days	\$77,000
2 pilots	\$1300@/day	X 2	7 days	\$18,200
2 EPA staff	\$1000@/day	X 2	7 days	\$14,000
TOTAL				\$109,200

Request for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex. (specific maps to be provided by TCEQ). Visible imagery should also be collected. Request that flyovers be conducted of each city twice per day (once at a minimum) beginning 2/27/2021 for a period not to exceed 7 days. Data and photographs should be evaluated and posted to electronic website.

Message

From: Perovich, Gina [Perovich.Gina@epa.gov]
Sent: 2/26/2021 9:44:05 PM
To: Carroll, Craig [Carroll.Craig@epa.gov]
Subject: one last question....

Importance: High

Hi Craig –

I left you a voice-mail. I know it's your day off so I thought I'd follow-up here.

I want to make sure we stay in lock-step with the Region, and that I have characterized your position correctly for Barry.

When you and I spoke earlier, you noted that you did not have an ask or a need for ASPECT. You noted that TCEQ had the monitoring well-in-hand, and had even deployed their own mobile air monitoring units. I also spoke to David Gray earlier and he noted that you all did not have an ask or mission assignment from FEMA to provide additional air monitoring. He, too, confirmed that he would not ask for ASPECT.

I want to ask the question to you in a slightly different way, just to be sure...

If it wasn't an issue of Mission Assignment or funding, that is, if OEM or another part of the Agency paid for it, would it be helpful to have ASPECT there to support the response? Or is there truly just no need for the asset at this time?

Thank you!
Gina

Gina Perovich
Director, CBRN Consequence Management Advisory Division
USEPA/OLEM/OEM/CMAD
202-384-3241

Message

From: Gray, David [gray.david@epa.gov]
Sent: 2/26/2021 6:52:26 PM
To: Stenger, Wren [stenger.wren@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Price, Lisa [Price.Lisa@epa.gov]
Subject: FW: Urgent Request-Massive air pollution/flaring events in Houston, Texas

From: Gray, David
Sent: Friday, February 26, 2021 12:43 PM
To: Salyer, Kathleen <Salyer.Kathleen@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: FW: Urgent Request-Massive air pollution/flaring events in Houston, Texas

FYI

From: Gray, David
Sent: Friday, February 26, 2021 12:24 PM
To: Tejada, Matthew <Tejada.Matthew@epa.gov>; Fine, Philip <Fine.Philip@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Suggest you connect with OEM in HQ. I think requests go through them. I believe our current FEMA MA is only for drinking water assistance.

From: Tejada, Matthew <Tejada.Matthew@epa.gov>
Sent: Friday, February 26, 2021 11:46 AM
To: Gray, David <gray.david@epa.gov>; Fine, Philip <Fine.Philip@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Can we put the ASPECT plane up in the air? Just talked to Gina and she indicated that it could be deployed in hours but she would of course want the go ahead and coordination with R6 first.

Matthew Tejada
Director - Office of Environmental Justice
Environmental Protection Agency
202-360-6867 (cell)
202-564-8047 (ofc)

Pronouns: he, him, his

For up-to-date information, subscribe to EPA's Environmental Justice listserv by sending a blank email to: join-epa-ej@lists.epa.gov

From: Gray, David <gray.david@epa.gov>
Sent: Friday, February 26, 2021 12:41 PM
To: Tejada, Matthew <Tejada.Matthew@epa.gov>; Fine, Philip <Fine.Philip@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Here is the latest from Texas. They anticipate posting all their air monitoring data today on their website. I should have a link shortly.

David

From: Toby Baker
Sent: Friday, February 26, 2021 11:32 AM
To: Gray, David <gray.david@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Our team is standing up the page now on our website. Hopefully they can get the page created asap. We have been in the field with handheld monitors and mobile monitors since last weekend. This compliments our web of stationary monitors already in place. I will send you the link as soon as it is live. We have not seen anything in our monitoring data that is of concern as of yet.

Toby

From: Gray, David
Sent: Friday, February 26, 2021 11:09 AM
To: Tejada, Matthew <Tejada.Matthew@epa.gov>; Fine, Philip <Fine.Philip@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

TCEQ deployed their mobile air monitoring vans in the area earlier this week. I've asked R6-OEM to gather updates on the state's efforts for our awareness. I also shared the video with TCEQ in case they can follow up with on-the-ground air monitoring.

David

From: Tejada, Matthew <Tejada.Matthew@epa.gov>
Sent: Friday, February 26, 2021 10:48 AM
To: Fine, Philip <Fine.Philip@epa.gov>; Gray, David <gray.david@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Done.

Matthew Tejada
Director - Office of Environmental Justice
Environmental Protection Agency
202-360-6867 (cell)
202-564-8047 (ofc)

Pronouns: he, him, his

For up-to-date information, subscribe to EPA's Environmental Justice listserv by sending a blank email to: join-epa-ej@lists.epa.gov

From: Fine, Philip <Fine.Philip@epa.gov>
Sent: Friday, February 26, 2021 11:45 AM
To: Tejada, Matthew <Tejada.Matthew@epa.gov>; Gray, David <gray.david@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Reach out and make Chet aware of the request and see if he can or wants to help?.

From: Tejada, Matthew <Tejada.Matthew@epa.gov>
Sent: Friday, February 26, 2021 8:43 AM
To: Fine, Philip <Fine.Philip@epa.gov>; Gray, David <gray.david@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Someone in OAQPS has got to know, right? Chet?

Matthew Tejada
Director - Office of Environmental Justice
Environmental Protection Agency
202-360-6867 (cell)
202-564-8047 (ofc)

Pronouns: he, him, his

For up-to-date information, subscribe to EPA's Environmental Justice listserv by sending a blank email to: join-epa-ej@lists.epa.gov

From: Fine, Philip <Fine.Philip@epa.gov>
Sent: Friday, February 26, 2021 11:42 AM
To: Tejada, Matthew <Tejada.Matthew@epa.gov>; Gray, David <gray.david@epa.gov>
Subject: RE: Urgent Request-Massive air pollution/flaring events in Houston, Texas

I know Jane all too well. I don't know how or who to make such a request within or outside of EPA. Any ideas?

From: Tejada, Matthew <Tejada.Matthew@epa.gov>
Sent: Friday, February 26, 2021 8:40 AM
To: Fine, Philip <Fine.Philip@epa.gov>; Gray, David <gray.david@epa.gov>
Subject: FW: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Phil and David – wanted to bring this to your attention. Would it be feasible to activate NASA to use this asset in very short order?

Matthew Tejada
Director - Office of Environmental Justice
Environmental Protection Agency
202-360-6867 (cell)
202-564-8047 (ofc)

Pronouns: he, him, his

For up-to-date information, subscribe to EPA's Environmental Justice listserv by sending a blank email to: join-epa-ej@lists.epa.gov

From: Jane Williams <dcapjane@aol.com>
Sent: Friday, February 26, 2021 11:10 AM
To: Cecelia Martinez Ph.D. <Ramondita.C.Martinez@ceq.eop.gov>; Tejada, Matthew <Tejada.Matthew@epa.gov>; Carbonell, Tomas <Carbonell.Tomas@epa.gov>
Subject: Urgent Request-Massive air pollution/flaring events in Houston, Texas

Dear Dr. Martinez,

I am sending you a series of images on the cataclysmic flaring and toxic chemical releases that are occurring in Houston, Texas today. As the refineries and chemical plants are re-starting their operations they are once again poisoning front line communities. These images of this massive flaring were taken by Bryan Parras, an environmental justice activist in Houston.

We are asking that you request NASA to use its specially equipped plane (at Plant 42 in Palmdale, CA) that can measure hazardous and criteria air pollutant levels to do some flyovers and take measurements of the contaminants in the air from all these releases.

NASA offered to fly their plane over Houston and measure similar air pollutants during the massive ITC fire (which occurred two years ago). The Trump EPA refused to allow the flyover because they did not want the public to know how bad the air quality was.

Now, we are experiencing the second major catastrophic releases of air pollution in the past week in Houston, and we are writing to see if the White House will request that NASA send their plane to measure the air pollution and report back to the government and the public exactly what the state of the air is in Houston.

I will forward you more images via separate emails....

Bryan Parras, organizer

Healthy Communities

Jane Williams, chair
Sierra Club
Executive Director
California Communities Against Toxics
Rosamond, California
661-256-2101

Message

From: Carroll, Craig [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CF7900E73BFB429C9BF46DC3B22FC12C-CARROLL, CRAIG]
Sent: 2/28/2021 5:58:16 PM
To: Loesel, Matthew [loesel.matthew@epa.gov]
CC: Foster, Nichole [Foster.Nichole@epa.gov]
Subject: Fwd: Severe Cold Weather Event Daily Update 2-28-21
Attachments: Statewide Issues SOC Daily Report 2-28-21 1000am.docx; Region Office Activities 2-28-21 1000am.docx; Polar Vortex PWS Status Summary.xlsx; Polar Vortex PWS BWN-only Status Summary 02282021.xlsx; Polar Vortex PWS-WW Status 02282021 1000.pdf; Polar Vortex PWS-WW Status 02282021 1000.xlsx

Sent from my iPhone

Begin forwarded message:

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Date: February 28, 2021 at 11:38:30 AM CST
To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, R6 RRC <R6_RRC@epa.gov>
Subject: Fwd: Severe Cold Weather Event Daily Update 2-28-21

Sent from my iPhone

Begin forwarded message:

From: Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>
Date: February 28, 2021 at 11:09:03 AM CST
To: Toby Baker <Toby.Baker@tceq.texas.gov>, Steven Schar <Steven.Schar@tceq.texas.gov>, Ramiro Garcia <Ramiro.Garcia@tceq.texas.gov>, L'Oreal Stepney <Loreal.Stepney@tceq.texas.gov>, Susan Johnson <Susan.Johnson@tceq.texas.gov>, Allison Woodall <allison.woodall@tceq.texas.gov>, Michelle Havelka <Michelle.Havelka@tceq.texas.gov>, Ferrell Fields <Ferrell.Fields@tceq.texas.gov>, Jim Rizk <Jim.Rizk@tceq.texas.gov>, Brody Burks <Brody.Burks@tceq.texas.gov>, Morgan Johnson <Morgan.Johnson@tceq.texas.gov>
Cc: David Bower <David.Bower@tceq.texas.gov>, Kelly Cook <Kelly.Cook@tceq.texas.gov>, Earl Lott <Earl.Lott@tceq.texas.gov>, Tonya Baer <Tonya.Baer@tceq.texas.gov>, "Erin E. Chancellor" <Erin.Chancellor@tceq.texas.gov>, Brent Wade <brent.wade@tceq.texas.gov>, Kelly Keel Linden <Kelly.KeelLinden@tceq.texas.gov>
Subject: Severe Cold Weather Event Daily Update 2-28-21

Updates attached. The maps are not yet complete and will be sent separately when available.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

<ATPFile_CE6EEE48-3663-4393-AEBB-9A55F7C1723F.token>

Message

From: Carroll, Craig [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CF7900E73BFB429C9BF46DC3B22FC12C-CARROLL, CRAIG]
Sent: 2/27/2021 4:02:03 AM
To: Perovich, Gina [Perovich.Gina@epa.gov]
Subject: Fwd: Heads up
Attachments: R6 Winter Storm ASPECT Press Release .docx

This is actually not the final copy but it's close. We recommended a couple of minor changes to XA.

Sent from my iPhone

Begin forwarded message:

From: "Hubbard, Joseph" <Hubbard.Joseph@epa.gov>
Date: February 26, 2021 at 7:55:55 PM CST
To: "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>
Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Carroll, Craig" <Carroll.Craig@epa.gov>
Subject: RE: Heads up

Here's a clean copy. We will plan to get all of the reviews out of the way and then standby for receipt of MA.

Best,

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

From: Petersen, Chris <petersen.chris@epa.gov>
Sent: Friday, February 26, 2021 7:50 PM
To: Foster, Nichole <Foster.Nichole@epa.gov>
Cc: Hubbard, Joseph <Hubbard.Joseph@epa.gov>; McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Subject: Re: Heads up

I agree with Nichole's comments. I will let you know when we actually receive the MA. I would like for Craig to review this also so I will give him a call now.

Sent from my iPhone

On Feb 26, 2021, at 7:43 PM, Foster, Nichole <Foster.Nichole@epa.gov> wrote:

I will defer to Chris as lead on this task however I have two edits to suggest.
Second paragraph last sentence change collect flyovers to conduct flyovers.
While Louisiana, Oklahoma, and Arkansas are reporting data to us, I am not aware of any response activities taking place in Louisiana (or the other states for that matter) We

may want to consider removing that state reference. All the other information for Texas is correct.

Sent from my iPhone

On Feb 26, 2021, at 7:30 PM, Hubbard, Joseph
<Hubbard.Joseph@epa.gov> wrote:

How's this? Please see enclosed.

Best,

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

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U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

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To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Parsons, Nellie" <Parsons.Nellie@epa.gov>
Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Stenger, Wren" <stenger.wren@epa.gov>
Subject: Re: Heads up

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Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

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<R6 Winter Storm ASPECT Press Release.docx>

Message

From: Carroll, Craig [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CF7900E73BFB429C9BF46DC3B22FC12C-CARROLL, CRAIG]
Sent: 2/27/2021 3:51:11 AM
To: Adams, Adam [Adams.Adam@epa.gov]
CC: Perovich, Gina [Perovich.Gina@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Loesel, Matthew [loesel.matthew@epa.gov]; Eoc, Epahq [Eoc.Epahq@epa.gov]
Subject: Re: RRF for EPA ASPECT Aircraft

Just sent you the original with attachments.

Sent from my iPhone

On Feb 26, 2021, at 9:48 PM, Adams, Adam <Adams.Adam@epa.gov> wrote:

Will do.

Note that there's no attachments to your email, so the spot report will be based on the information provided.

Thanks

Adam

From: Perovich, Gina <Perovich.Gina@epa.gov>
Sent: Friday, February 26, 2021 9:48 PM
To: Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Adams, Adam <Adams.Adam@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>
Subject: Re: RRF for EPA ASPECT Aircraft

Thank you, Craig!

Gina Perovich
Director, CBRN Consequence Management Advisory Division
EPA's Office of Emergency Management
202-384-3241

On Feb 26, 2021, at 10:19 PM, Carroll, Craig <Carroll.Craig@epa.gov> wrote:

Adam,

See request below. Please work with HQEOC Watch Office to issue a Spot Report this evening. Thanks

Craig

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Date: February 26, 2021 at 7:14:58 PM CST
To: Michelle Havelka
<michelle.havelka@tceq.texas.gov>
Cc: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>, Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>, David Bower <David.Bower@tceq.texas.gov>, Ramiro Garcia <ramiro.garcia@tceq.texas.gov>, Jonathan Walling <jonathan.walling@tceq.texas.gov>, Cynthia Gandee

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anthony.buck@tceq.texas.gov, Melinda Johnston
<melinda.johnston@tceq.texas.gov>, Melinda Torres
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Subject: RRF for EPA ASPECT Aircraft

Michelle,

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ASPECT plane	\$11,000/day	7	
days	\$77,000		
2 pilots	\$1300@/day	X 2	7
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Kelly W. Cook, Deputy Director
Critical Infrastructure Division
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Texas Commission on Environmental Quality

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To: Perovich, Gina [Perovich.Gina@epa.gov]
CC: Petersen, Chris [petersen.chris@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]; R6 RRC [R6_RRC@epa.gov]
Subject: Fwd: RRF for EPA ASPECT Aircraft
Attachments: RRF for EPA ASPECT.docx; BPA.pdf; Corpus Christi.pdf; HGB.pdf; FEMA RRF Form 2-26-2021a.pdf

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Kelly W. Cook, Deputy Director
Critical Infrastructure Division

Office Of Compliance and Enforcement
Texas Commission on Environmental Quality

Message

From: Carroll.Craig@epa.gov [Carroll.Craig@epa.gov]
Sent: 2/28/2021 5:58:12 PM
To: Loesel, Matthew [loesel.matthew@epa.gov]
CC: Foster, Nichole [Foster.Nichole@epa.gov]
Subject: Fwd: Severe Cold Weather Event Daily Update 2-28-21
Attachments: Statewide Issues SOC Daily Report 2-28-21 1000am.docx; Region Office Activities 2-28-21 1000am.docx; Polar Vortex PWS Status Summary.xlsx; Polar Vortex PWS BWN-only Status Summary 02282021.xlsx; Polar Vortex PWS-WW Status 02282021 1000.pdf; Polar Vortex PWS-WW Status 02282021 1000.xlsx

Sent from my iPhone

Begin forwarded message:

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Date: February 28, 2021 at 11:38:30 AM CST
To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, R6 RRC <R6_RRC@epa.gov>
Subject: Fwd: Severe Cold Weather Event Daily Update 2-28-21

Sent from my iPhone

Begin forwarded message:

From: Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>
Date: February 28, 2021 at 11:09:03 AM CST
To: Toby Baker <Toby.Baker@tceq.texas.gov>, Steven Schar <Steven.Schar@tceq.texas.gov>, Ramiro Garcia <Ramiro.Garcia@tceq.texas.gov>, L'Oreal Stepney <Loreal.Stepney@tceq.texas.gov>, Susan Johnson <Susan.Johnson@tceq.texas.gov>, Allison Woodall <allison.woodall@tceq.texas.gov>, Michelle Havelka <Michelle.Havelka@tceq.texas.gov>, Ferrell Fields <Ferrell.Fields@tceq.texas.gov>, Jim Rizk <Jim.Rizk@tceq.texas.gov>, Brody Burks <Brody.Burks@tceq.texas.gov>, Morgan Johnson <Morgan.Johnson@tceq.texas.gov>
Cc: David Bower <David.Bower@tceq.texas.gov>, Kelly Cook <Kelly.Cook@tceq.texas.gov>, Earl Lott <Earl.Lott@tceq.texas.gov>, Tonya Baer <Tonya.Baer@tceq.texas.gov>, "Erin E. Chancellor" <Erin.Chancellor@tceq.texas.gov>, Brent Wade <brent.wade@tceq.texas.gov>, Kelly Keel Linden <Kelly.KeelLinden@tceq.texas.gov>
Subject: Severe Cold Weather Event Daily Update 2-28-21

Updates attached. The maps are not yet complete and will be sent separately when available.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

<ATPFile_CE6EEE48-3663-4393-AEBB-9A55F7C1723F.token>

Message

From: Carroll.Craig@epa.gov [Carroll.Craig@epa.gov]
Sent: 2/27/2021 4:02:02 AM
To: Perovich, Gina [Perovich.Gina@epa.gov]
Subject: Fwd: Heads up
Attachments: R6 Winter Storm ASPECT Press Release .docx

This is actually not the final copy but it's close. We recommended a couple of minor changes to XA.

Sent from my iPhone

Begin forwarded message:

From: "Hubbard, Joseph" <Hubbard.Joseph@epa.gov>
Date: February 26, 2021 at 7:55:55 PM CST
To: "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>
Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Carroll, Craig" <Carroll.Craig@epa.gov>
Subject: RE: Heads up

Here's a clean copy. We will plan to get all of the reviews out of the way and then standby for receipt of MA.

Best,

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

From: Petersen, Chris <petersen.chris@epa.gov>
Sent: Friday, February 26, 2021 7:50 PM
To: Foster, Nichole <Foster.Nichole@epa.gov>
Cc: Hubbard, Joseph <Hubbard.Joseph@epa.gov>; McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Subject: Re: Heads up

I agree with Nichole's comments. I will let you know when we actually receive the MA. I would like for Craig to review this also so I will give him a call now.

Sent from my iPhone

On Feb 26, 2021, at 7:43 PM, Foster, Nichole <Foster.Nichole@epa.gov> wrote:

I will defer to Chris as lead on this task however I have two edits to suggest.
Second paragraph last sentence change collect flyovers to conduct flyovers.
While Louisiana, Oklahoma, and Arkansas are reporting data to us, I am not aware of any response activities taking place in Louisiana (or the other states for that matter) We may want to consider removing that state reference. All the other information for Texas is correct.

Sent from my iPhone

On Feb 26, 2021, at 7:30 PM, Hubbard, Joseph
<Hubbard.Joseph@epa.gov> wrote:

How's this? Please see enclosed.

Best,

Joe Hubbard
U.S. Environmental Protection Agency
OFFICE: 214-665-8476
Hubbard.joseph@epa.gov

From: Petersen, Chris <petersen.chris@epa.gov>
Sent: Friday, February 26, 2021 6:46 PM
To: Hubbard, Joseph <Hubbard.Joseph@epa.gov>; Foster, Nichole
<Foster.Nichole@epa.gov>
Cc: McAtee, Jeffrey <McAtee.Jeffrey@epa.gov>; Carroll, Craig
<Carroll.Craig@epa.gov>
Subject: RE: Heads up

TCEQ will be submitting a request to FEMA for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex. (specific maps to be provided by TCEQ). Visible imagery should also be collected. Request that flyovers be conducted of each city twice per day (once at a minimum) beginning 2/27/2021 for a period not to exceed 7 days. Data and photographs should be evaluated and posted to electronic website.

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Cc: Petersen, Chris <petersen.chris@epa.gov>; McAtee, Jeffrey
<McAtee.Jeffrey@epa.gov>
Subject: Fwd: Heads up

Hey Nichole,

Thanks for the information and talking with me. I'm going to standby until things develop more and logistics are worked out.

V/R

Joe Hubbard

U.S. Environmental Protection Agency

OFFICE: 214-665-8476

Hubbard.joseph@epa.gov

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To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Parsons, Nellie" <Parsons.Nellie@epa.gov>

Cc: "McAtee, Jeffrey" <McAtee.Jeffrey@epa.gov>, "Stenger, Wren" <stenger.wren@epa.gov>

Subject: **Re: Heads up**

Do we have any background on the request to deploy ASPECT, i.e. where, when, why, how long, etc ect?

v/r

Joe Hubbard

U.S. Environmental Protection Agency

OFFICE: 214-665-8476

Hubbard.joseph@epa.gov

On Feb 26, 2021, at 5:15 PM, Gray, David <gray.david@epa.gov> wrote:

When we deploy ASPECT – we will want to announce this in the press and notify EJ groups.

<R6 Winter Storm ASPECT Press Release.docx>

Message

From: Carroll.Craig@epa.gov [Carroll.Craig@epa.gov]
Sent: 2/27/2021 3:51:10 AM
To: Adams, Adam [Adams.Adam@epa.gov]
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Date: February 26, 2021 at 7:14:58 PM CST

To: Michelle Havelka <michelle.havelka@tceq.texas.gov>

Cc: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>, Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>, David Bower <David.Bower@tceq.texas.gov>, Ramiro Garcia <ramiro.garcia@tceq.texas.gov>, Jonathan Walling <jonathan.walling@tceq.texas.gov>, Cynthia Gandee <cynthia.gandee@tceq.texas.gov>, anthony.buck@tceq.texas.gov, Melinda Johnston <melinda.johnston@tceq.texas.gov>, Melinda Torres <Melinda.Torres@tceq.texas.gov>, Richard Chism <Richard.Chism@tceq.texas.gov>, Brandy Brooks <brandy.brooks@tceq.texas.gov>

Subject: RRF for EPA ASPECT Aircraft

Michelle,

Here's the RRF and other pertinent information related to the MA request for the EPA ASPECT Flights. The RRF, word doc and flight area maps are attached. Please see cost estimate and description of request, below. Thank you.

ASPECT plane	\$11,000/day	7 days	\$77,000
2 pilots	\$1300@/day	X 2 7 days	\$18,200
2 EPA staff	\$1000@/day	X 2 7 days	\$14,000
TOTAL			\$109,200

Requesting ESF-10 assistance for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over the Houston Ship Channel Industrial area, the Beaumont Industrial Complex and the Corpus Christi Industrial complex. (specific maps to be provided by TCEQ). Visible imagery should also be collected. Request that flyovers be conducted of each city twice per day (once at a minimum) beginning 2/27/2021 for a period not to exceed 7 days. Data and photographs should be evaluated and posted to electronic website.

Kelly W. Cook, Deputy Director
Critical Infrastructure Division
Office Of Compliance and Enforcement
Texas Commission on Environmental Quality

Message

From: Carroll, Craig [Carroll.Craig@epa.gov]
Sent: 2/28/2021 5:58:16 PM
To: Loesel, Matthew [loesel.matthew@epa.gov]
CC: Foster, Nichole [Foster.Nichole@epa.gov]
Subject: Fwd: Severe Cold Weather Event Daily Update 2-28-21
Attachments: Statewide Issues SOC Daily Report 2-28-21 1000am.docx; Region Office Activities 2-28-21 1000am.docx; Polar Vortex PWS Status Summary.xlsx; Polar Vortex PWS BWN-only Status Summary 02282021.xlsx; Polar Vortex PWS-WW Status 02282021 1000.pdf; Polar Vortex PWS-WW Status 02282021 1000.xlsx

Sent from my iPhone

Begin forwarded message:

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Date: February 28, 2021 at 11:38:30 AM CST
To: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, R6 RRC <R6_RRC@epa.gov>
Subject: Fwd: Severe Cold Weather Event Daily Update 2-28-21

Sent from my iPhone

Begin forwarded message:

From: Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>
Date: February 28, 2021 at 11:09:03 AM CST
To: Toby Baker <Toby.Baker@tceq.texas.gov>, Steven Schar <Steven.Schar@tceq.texas.gov>, Ramiro Garcia <Ramiro.Garcia@tceq.texas.gov>, L'Oreal Stepney <Loreal.Stepney@tceq.texas.gov>, Susan Johnson <Susan.Johnson@tceq.texas.gov>, Allison Woodall <allison.woodall@tceq.texas.gov>, Michelle Havelka <Michelle.Havelka@tceq.texas.gov>, Ferrell Fields <Ferrell.Fields@tceq.texas.gov>, Jim Rizk <Jim.Rizk@tceq.texas.gov>, Brody Burks <Brody.Burks@tceq.texas.gov>, Morgan Johnson <Morgan.Johnson@tceq.texas.gov>
Cc: David Bower <David.Bower@tceq.texas.gov>, Kelly Cook <Kelly.Cook@tceq.texas.gov>, Earl Lott <Earl.Lott@tceq.texas.gov>, Tonya Baer <Tonya.Baer@tceq.texas.gov>, "Erin E. Chancellor" <Erin.Chancellor@tceq.texas.gov>, Brent Wade <brent.wade@tceq.texas.gov>, Kelly Keel Linden <Kelly.KeelLinden@tceq.texas.gov>
Subject: Severe Cold Weather Event Daily Update 2-28-21

Updates attached. The maps are not yet complete and will be sent separately when available.

Michelle, the "Statewide issues SOC Report" is the high-level for the SOC.

The more detailed Region Office Activities includes general updates on major water systems across each Region among other updates.

Craig Pritzlaff

Director | Office of Compliance and Enforcement
Texas Commission on Environmental Quality

<ATPFile_CE6EEE48-3663-4393-AEBB-9A55F7C1723F.token>

Message

From: Carroll, Craig [Carroll.Craig@epa.gov]
Sent: 2/27/2021 2:50:03 AM
To: Perovich, Gina [Perovich.Gina@epa.gov]
CC: Petersen, Chris [petersen.chris@epa.gov]; Foster, Nichole [Foster.Nichole@epa.gov]; R6 RRC [R6_RRC@epa.gov]
Subject: Fwd: RRF for EPA ASPECT Aircraft
Attachments: RRF for EPA ASPECT.docx; BPA.pdf; Corpus Christi.pdf; HGB.pdf; FEMA RRF Form 2-26-2021a.pdf

Sent from my iPhone

Begin forwarded message:

From: Kelly Cook <kelly.cook@tceq.texas.gov>
Date: February 26, 2021 at 7:14:58 PM CST
To: Michelle Havelka <michelle.havelka@tceq.texas.gov>
Cc: "Carroll, Craig" <Carroll.Craig@epa.gov>, "Zehner, Warren" <zehner.warren@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Nichole" <Foster.Nichole@epa.gov>, Craig Pritzlaff <Craig.Pritzlaff@tceq.texas.gov>, David Bower <David.Bower@tceq.texas.gov>, Ramiro Garcia <ramiro.garcia@tceq.texas.gov>, Jonathan Walling <jonathan.walling@tceq.texas.gov>, Cynthia Gandee <cynthia.gandee@tceq.texas.gov>, anthony.buck@tceq.texas.gov, Melinda Johnston <melinda.johnston@tceq.texas.gov>, Melinda Torres <Melinda.Torres@tceq.texas.gov>, Richard Chism <Richard.Chism@tceq.texas.gov>, Brandy Brooks <brandy.brooks@tceq.texas.gov>
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